LETTING DATE: NOVEMBER 17, 2026

PCC SIDEWALK/TRAIL
TAP-U-3715(674)--8I-52
JOHNSON COUNTY

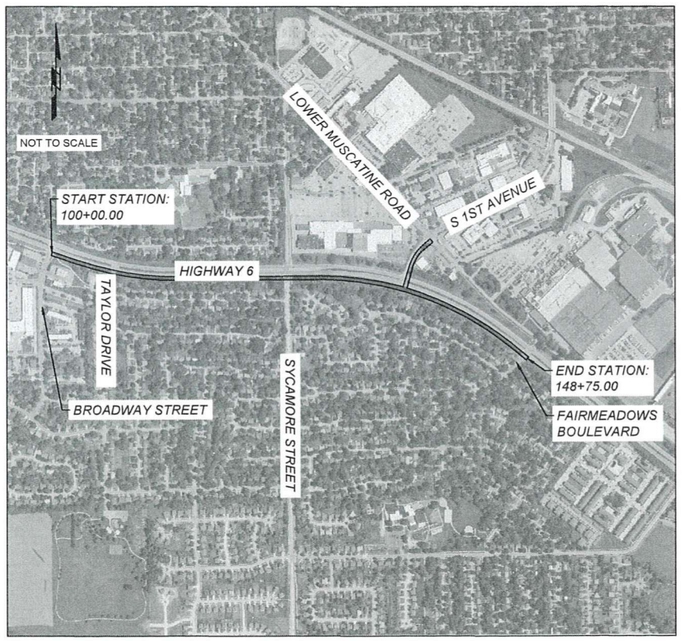
This project is covered by Iowa Department of Natural Resources NPDES General Permit No. 2. The Contractor shall carry out the terms and conditions of General Permit No. 2 and the storm water pollution prevention plan which is part of these contract documents. Refer to Section 2602 of the Standard Specifications for additional information.

REFER TO SHEET C.01 FOR A LISTING OF APPLICABLE STANDARD ROAD PLANS.

UTILITY NOTE

WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.

Project Location Map



IOWA ONE CALL
1-800-292-8989



IOWA | DOT

TRANSPORTATION DEVELOPMENT DIVISION

PLANS OF PROPOSED IMPROVEMENTS ON THE

URBAN TRAIL SYSTEM

CITY OF IOWA CITY

JOHNSON COUNTY

IOWA DOT PROJECT NO. TAP-U-3715(674)--8I-52

PCC SIDEWALK/TRAIL

IN THE CITY OF IOWA CITY, ON HWY 6, FROM BROADWAY STREET TO FAIRMEADOWS BOULEVARD

REFER TO PROPOSAL FORM FOR LIST OF APPLICABLE SPECIFICATIONS

CITY OF IOWA CITY

CITY COUNCIL:

MAYOR, AT-LARGE:	BRUCE TEAGUE
MAYOR PRO TEM, AT LARGE:	MEGAN ALTER
COUNCILOR, AT-LARGE:	MAZAHIR SALIH
COUNCILOR, AT LARGE:	JOSH MOE
COUNCILOR, DISTRICT A:	LAURA BERGUS
COUNCILOR, DISTRICT B:	SHAWN HARMSEN
COUNCILOR, DISTRICT C:	OLIVER WEILEIN
CITY CLERK:	KELLIE GRACE
PUBLIC WORKS DIRECTOR:	RON KNOCHE

MILEAGE SUMMARY — 1O5-1 — 09-27-94

DIV.	LOCATION	LIN. FT.	MILES
1 / 1	HWY 6 TRAIL STA 100+26.77 TO STA 148+35.25	4809	0.9
	TOTALS	4809	0.9

REVISIONS	TOTAL 116
	PROJECT IDENTIFICATION NUMBER
	SH PROJECT NO. 2250000750
	DOT PROJECT NUMBER
	TAP-U-3715(674)--8I-52

TOTAL SHEETS: 116

Civil Index of Sheets

A.01	COVER PAGE
A.02 - A.04	GENERAL NOTES AND LEGEND
B.01 - B.03	TYPICAL SECTION AND DETAILS
C.01 - C.04	ESTIMATED QUANTITIES AND NOTES
D.01 - D.09	PLAN AND PROFILE
E.01	S 1ST AVENUE PLAN AND PROFILE
F.01 - F.08	GRADING AND EROSION CONTROL PLAN
G.01 - G.03	GEOMETRIC CONTROL
H.01 - H.06	RIGHT OF WAY PLAN
J.01 - J.08	TRAFFIC CONTROL PLAN
K.01 - K.03	INTERSECTION SHEETS
M.01 - M.07	STORM SEWER PLAN AND PROFILE
MW.01	WATER MAIN SHEETS
MX.01 - MX.06	FRANCHISE UTILITY SHEETS
N.01 - N.07	TRAFFIC SIGNAL PLAN
O.01 - O.03	PAVEMENT MARKING PLAN
Q.01 - Q.05	SOIL BORINGS
R.01 - R.06	REMOVAL SHEETS
S.01 - S.08	SIDEWALK SHEETS
V.01 - V.04	RETAINING WALL PLAN AND PROFILE
W.01 - W.17	CROSS SECTIONS - HIGHWAY 6
X.01 - X.02	CROSS SECTIONS - S 1ST AVENUE

CITY OF IOWA CITY

THIS ENGINEERING DOCUMENT IS RECOMMENDED FOR FILING WITH THE CITY CLERK

8/17/26

CITY ENGINEER OR DESIGNEE — DATE

CIVIL ENGINEER

LICENSED PROFESSIONAL ENGINEER — TARA ALLEN ZUMWALT LAWRENCE P27743 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Tara M. Zumwalt Lawrence — 8/17/26
SIGNATURE — DATE

PRINTED OR TYPED NAME: Tara Allen Zumwalt Lawrence

LICENSE NUMBER: P27743

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2027

PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL: ALL SHEETS

S-H Project Number: 2250000750

SHIVEHATTERY
ARCHITECTURE + ENGINEERING
222 Third Avenue SE Suite 300 | Cedar Rapids, Iowa 52406
319.364.0227 | fax 319.364.4251 | shive-hattery.com

FINAL PLANS - 08/18/2026

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CONTACT NUMBERS		
CITY OF IOWA CITY		
CITY PARKS AND FORESTRY	TYLER BAIRD	(319) 356-5100
FIRE: BUSINESS	EMERGENCY: 911	(319) 356-5260
POLICE: BUSINESS	EMERGENCY:911	(319) 356-5275
PUBLIC WORKS: ENGINEERING	JOE WELTER	(319) 356-5144
IOWA ONE CALL		811
CITY STREETS	BROCK HOLUB	(319) 356-5482
UTILITIES		
AUREON	JEFF KLOCKO	(515) 830-0445
CDB UTILITY CONTRACTORS	MATTHEW CARLS	(563) 381-2194
IMON	MATT KEARNEY	
ICN	CHRIS HARRIS	(515) 380-3689
LUMEN	KRYSTAL HUNTER	
LUMEN	MATT PORTER	
MEDIACOM	JAMES HOUSER	(845) 544-9069
MIDAMERICAN GAS	JOE RETEK	(319) 341-4457
MIDAMERICAN ELECTRIC	UMAIR SARWAR	
MIDAMERICAN FIBER	MATT CARLS	(563) 528-1449
SEGRA	JOE ERNSTER	(319) 252-7463
WINDSTREAM	STEPHEN KNESS	(319) 790-7678
CITY WATER	SHAWN OSTRANDER	(319) 631-1169
CITY WASTEWATER	JJ WOMBACHER	(319) 631-1144
CITY FIBER	BEN TOLAND	(319) 356-5425
CITY SIGNALS	MIKE JENN	(319) 631-1165
EMERGENCY WATER		(319) 356-5166

LEGEND

EXISTING GENERAL SITE

PLAN MARK	DESCRIPTION
	EXISTING STRUCTURE
	BOLLARD
	SHRUB
	DECIDUOUS TREE
	CONIFEROUS TREE
	SINGLE POLE SIGN
	DOUBLE POLE SIGN
	TRAFFIC SIGNAL WITH ARM
	TREE LINE
621	MINOR CONTOUR
620	MAJOR CONTOUR

LEGEND

RIGHT-OF-WAY

PLAN MARK	DESCRIPTION
ROW	PROPOSED RIGHT-OF-WAY
ROW	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	TEMPORARY EASEMENT
	PROPOSED EASEMENT

LEGEND

GENERAL SITE GRADING / EROSION CONTROL

PLAN MARK	DESCRIPTION
2%	SLOPE ARROW
	FLOW ARROW
	SILT FENCE
	INLET PROTECTION
	COMPOST SOCK
	GRADING LIMITS

LEGEND

UTILITY LINES

EXISTING LINE TYPE	DESCRIPTION	PROPOSED LINE TYPE
OE	ELECTRIC - OVERHEAD	OE
E	ELECTRIC - UNDERGROUND	E
G	GAS MAIN	G
W	WATER MAIN	W
	SANITARY SEWER	
	STORM SEWER	
T	TELEPHONE - UNDERGROUND	T
FO	FIBER OPTICS	FO

LEGEND

SURVEY

PLAN MARK	DESCRIPTION
BM	BENCH MARK
	BOUND
	IRON ROD - FOUND
	IRON ROD - SET
	MONUMENT FOUND
	MONUMENT SET
	X CUT FOUND
	X CUT SET
	RIGHT OF WAY MARKER
	DRILL HOLE
	STATION MARKER
	SOIL BORING
	PROPERTY CORNER
738.43 TOP	SURVEY POINT ELEVATION

LEGEND

UTILITIES

PLAN MARK	DESCRIPTION
W	WATER IRRIGATION VALVE
	UTILITY POLE W/TRANSFORMER
	WATER SHUTOFF VALVE
	GUY ANCHOR
	FIRE HYDRANT
	FLARED END SECTION
	VALVE
C	CABLE TV PEDESTAL
	CLEANOUT
J	JUNCTION BOX
MH	MANHOLE
	STORM MANHOLE
E	ELECTRICAL MANHOLE
S	SANITARY MANHOLE
	TELEPHONE MANHOLE
T	TELEPHONE PEDESTAL
V	VAULT BOX
HH	HANDHOLE
S	SIGNAL BOX
G	GAS METER
E	ELECTRIC METER
W	WATER METER
	CURB INLET
	INTAKE - CIRCLE
	INTAKE - RECTANGLE
	INTAKE - SQUARE

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GENERAL NOTES

1. ALL CONSTRUCTION PUBLIC OR PRIVATE SHALL BE IN ACCORDANCE WITH IOWA DOT SPECIFICATIONS AND THE CITY OF IOWA CITY SUPPLEMENTAL SPECIFICATIONS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
2. THE LOCATIONS OF UTILITY MAINS, STRUCTURES, SEWERS, CABINETS, HAND POLES, GAS MAINS, TELECOMMUNICATIONS, ELECTRICAL POLES, TRANSFORMERS, SWITCH GEAR BOXES, AND SERVICE CONNECTIONS PLOTTED ON THESE DRAWING ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORDS MADE AVAILABLE TO SHIVE-HATTERY, INC. THERE MAY BE OTHER EXISTING UTILITY MAINS, STRUCTURES, SEWERS, CABINETS, HAND POLES, GAS MAINS, TELECOMMUNICATIONS, ELECTRICAL POLES, TRANSFORMERS, SWITCH GEAR BOXES, AND SERVICE CONNECTIONS NOT KNOWN TO SHIVE-HATTERY, INC. AND NOT SHOWN ON THIS DRAWING.
3. NOTIFY UTILITY COMPANIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN TO BE WITHIN CONSTRUCTION LIMITS OF THE SCHEDULE PRIOR TO EACH STAGE OF CONSTRUCTION. NOTIFY THE APPROPRIATE PRIVATE UTILITY A MINIMUM OF 48 HOURS PRIOR TO BEGINNING CONSTRUCTION ON ANY FACILITIES OWNED OR OPERATED BY THAT UTILITY.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, COORDINATES, ELEVATIONS, AND UTILITIES AT CRITICAL LOCATIONS TO VERIFY EXACT HORIZONTAL AND VERTICAL LOCATIONS. IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES SO THE CONFLICT MAY BE RESOLVED.
5. IOWA CODE 480, UNDERGROUND FACILITIES INFORMATION, REQUIRES VERBAL NOTICE TO IOWA ONE-CALL 1-800-292-8989, NOT LESS THAN 48 HOURS BEFORE EXCAVATING, EXCLUDING WEEKENDS AND HOLIDAYS.
6. THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
7. NO WORK SHALL BE PERFORMED BEYOND THE PROJECT LIMITS WITHOUT PRIOR AUTHORIZATION FROM THE CITY.
8. A PRE-CONSTRUCTION MEETING SHALL BE HELD FOLLOWING ISSUANCE OF THE NOTICE TO PROCEED BUT PRIOR TO COMMENCING WORK.
9. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC SHALL BE PROVIDED WHERE CONSTRUCTION OPERATIONS ABUT PUBLIC THROUGH-FARES.
10. ALL AREAS DISTURBED BY THE GENERAL CONTRACTOR OR SUB-CONTRACTORS SHALL BE RETURNED TO THE ORIGINAL CONDITION OR BETTER, EXCEPT WHERE PROPOSED CONSTRUCTION IS INDICATED ON THE PLANS.
11. CONTRACTOR SHALL PROVIDE TRAFFIC MEASURES (SIGNS, BARRICADES, FLAGGERS, ETC.) IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
12. CONSTRUCTION STAKING SHALL BE PERFORMED BY CONTRACTOR.
13. PROTECT ALL EXISTING FEATURES NOT SPECIFICALLY NOTED FOR REMOVAL. FEATURES NOT DESIGNATED FOR REMOVAL THAT ARE DAMAGED OR REMOVED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
14. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT CONSTRUCTION. ANY DAMAGE CAUSED BY A FAILURE TO MAINTAIN POSITIVE DRAINAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
15. ALL OPEN EXCAVATIONS SHALL BE PROTECTED IN ACCORDANCE WITH REGULATORY REQUIREMENTS.
16. CONSTRUCTION ACTIVITIES ARE TO BE LIMITED TO THE DESIGNATED WORK ZONE. IF ADDITIONAL AREAS ARE NEEDED FOR STAGING, STORAGE, ETC., IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN WRITTEN PERMISSION FROM THE PROPERTY OWNER(S).
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN SUBSURFACE INFORMATION THAT MAY AFFECT COSTS. IF ADVERSE SUBSURFACE CONDITIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER REPRESENTATIVE IMMEDIATELY. THE CONTRACTOR SHALL VISIT THE SITE AND ACQUAINT HIM/HERSELF WITH ALL EXISTING CONDITIONS PRIOR TO BIDDING/CONSTRUCTION. POTENTIAL CONTRACTORS MAY MAKE A SUBSURFACE INVESTIGATION TO SATISFY THEMSELVES AS TO SITE AND SUBSURFACE CONDITIONS. ANY INVESTIGATION SHALL BE CLEARED THROUGH THE OWNER PRIOR TO COMMENCEMENT.
18. RECORD DOCUMENTATION SHALL BE PROVIDED IN ACCORDANCE WITH THE CITY OF IOWA CITY SUPPLEMENTAL SPECIFICATIONS DIVISION 1 RECORD DOCUMENTATION REQUIREMENTS.

GENERAL UTILITY NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH IOWA DOT SPECIFICATIONS AND THE CITY OF IOWA CITY SUPPLEMENTAL SPECIFICATIONS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
2. TRENCH BEDDING AND BACKFILL SHALL BE IN ACCORDANCE WITH FIGURE 3010.201, SHEETS 1-8, OF THE CITY OF IOWA CITY SUPPLEMENTAL SPECIFICATIONS. ALL PIPE TRENCHES LOCATED UNDER AND WITHIN 5-FEET OF PAVED SURFACES SHALL BE BACKFILLED WITH CLASS A ROADSTONE (IOWA DOT GRADATION #11).
3. PRIOR TO CONSTRUCTING PROPOSED STORM SEWERS, ETC., THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES AT LOCATIONS OF POTENTIAL CONFLICTS TO VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION.
4. CONTRACTOR SHALL FIELD VERIFY UTILITY DEPTHS PRIOR TO WORK AS INDICATED ON GRADING AND STORM SEWER UTILITY SHEETS. COORDINATION WITH CITY STAFF IS REQUIRED PRIOR TO WORK TO VERIFY CLEARANCE AND DEPTH.
5. ADJUST ALL VALVES, MANHOLES, CASTINGS, HYDRANTS, ETC., TO MATCH THE NEW SURFACE FOR UTILITIES THAT ARE NOT TO BE ABANDONED OR REMOVED. BASED ON FINAL SURFACE ELEVATIONS, COORDINATE WITH THE APPROPRIATE UTILITY OWNER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AS-BUILT CONDITIONS OF BOTH NEWLY CONSTRUCTED UTILITIES AND EXISTING UTILITIES WHERE THE EXISTING UTILITIES DIFFER FROM THAT SHOWN ON THE PLAN. THE INFORMATION SHALL INCLUDE THE HORIZONTAL AND VERTICAL LOCATIONS, SIZE, MATERIAL DATA, AND OTHER PERTINENT INFORMATION.
7. COORDINATE WITH CITY IF ANY UTILITIES ARE LOCATED IN THE FIELD THAT ARE NOT IDENTIFIED ON PLAN SHEETS TO VERIFY IF LINES ARE ACTIVE.
8. ALL STORM SEWERS SHALL BE CLASS III RCP WITH CONFINED “O” RING GASKET JOINTS UNLESS NOTED OTHERWISE. STORM SEWERS 36" AND SMALLER SHALL HAVE BELL AND SPIGOT JOINTS. FABRIC WRAPPED JOINTS OR MASTIC JOINTS ARE NOT PERMITTED.
9. ALL PIPE SHALL BE CERTIFIED.
10. LIFT HOLES IN STORM SEWER WILL NOT BE ALLOWED.
11. ANCHOR THE LAST THREE CONCRETE PIPE SECTIONS AND THE APRON TOGETHER WITH TWO PIPE CONNECTIONS PER JOINT. COMPLY WITH IOWA DOT STANDARD ROAD PLAN DR-121.
12. MANHOLE AND INTAKE CASTINGS SHALL HAVE CITY OF IOWA CITY LOGO AND ONE CONCEALED PICK HOLE. MANHOLE FRAME AND LID TO BE NEENAH R-1642 SELF SEALING OR APPROVED EQUAL. FOLLOW FIGURE 6010.601 AND 6010.602 OF THE CITY OF IOWA CITY SUPPLEMENTAL SPECIFICATIONS.
13. STORM SEWER PIPE CONNECTIONS TO STRUCTURES SHALL REQUIRE USE OF WATER STOP AND CONCRETE COLLARS. COMPLY WITH FIGURE 4020.211 OF THE SUPPLEMENTAL SPECIFICATIONS.
14. ALL STORM STRUCTURES SHALL BE WATERTIGHT. WATER STOP SHALL BE USED IN ALL FIELD CONSTRUCTION JOINTS AND COLD JOINTS.
15. GATOR WRAP IS REQUIRED FOR PRECAST STRUCTURES TO SEAL JOINTS.
16. MANHOLE CHIMNEY SEALING SHALL BE EXTERNAL INFI-SHIELD UNIBAND, CRETEX OR APPROVED EQUAL. INTERNAL CHIMNEY SEALS BY CRETEX OR APPROVED EQUAL WILL BE ALLOWED ONLY IN PROPOSED PAVED AREAS WHERE SLIP-FORM PAVING WILL BE UTLIZED FOR CONSTRUCTION.
17. MANHOLE ADJUSTMENT RINGS TO BE CRETEX PRO-RING, AMERICAN HIGHWAY PRODUCTS RUBBER ADJUSTMENT RING, OR STANDARD PCC. IF PCC RINGS ARE USED, SHIMS TO LEVEL MANHOLE FRAME MADE OF MATERIALS OTHER THAN PCC OR THE RING MATERIAL DISCUSSED ABOVE WILL NOT BE ALLOWED, I.E.: WOOD, BRICK, ROCKS, ETC
18. FOR ALL WATER MAIN ITEMS REFER TO CITY OF IOWA CITY SUPPLEMENTAL SPECIFICATIONS DIVISION 5 ACCEPTED PRODUCTS FOR WATER DISTRIBUTION MATERIALS.

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SITE PREPARATION NOTES

1. COORDINATE WITH CITY STAFF TO DETERMINE STOCKPILE AND WASTE AREA OR DISPOSAL LOCATIONS FOR EXCESS MATERIAL. CONTRACTOR TO COORDINATE WITH PUBLIC WORKS PRIOR TO WORK OCCURRING.
2. WHERE A SECTION OF PAVEMENT, CURB AND GUTTER, DAMAGED BY THE CONTRACTOR, THE ENTIRE SECTION SHALL BE REMOVED AND REPLACED.
3. DOUBLE SAWCUT EDGES OF PAVEMENT FULL DEPTH PRIOR TO REMOVAL TO PREVENT DAMAGE TO ADJACENT SLABS AND FIXTURES.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL TREES AND SHRUBS IN PROJECT AREA FROM DAMAGE DUE TO CONSTRUCTION ACTIVITY UNLESS SHOWN ON THE PLANS OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
5. STUMPS ARE TO BE GROUND TO TWO FEET BELOW FINISHED GRADE. TREES THAT QUALIFY FOR ENDANGERED BAT HABITAT ARE TO BE FELLED BETWEEN OCTOBER 1ST AND MARCH 31ST.
6. THE DEMOLITION PLAN IS INTENDED TO SHOW REMOVAL OF KNOWN SITE FEATURES AND UTILITIES AS SHOWN ON THE SURVEY PROVIDED TO THE ENGINEER FOR DESIGN. THERE MAY BE OTHER SITE FEATURES, UTILITIES, STRUCTURES, AND MISCELLANEOUS ITEMS BOTH BURIED AND ABOVE GROUND THAT ARE WITHIN THE LIMITS OF WORK THAT MAY REQUIRE REMOVAL FOR THE PROPOSED SITE IMPROVEMENTS BUT THAT ARE NOT SHOWN HEREIN. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF SUCH ITEMS AT NO ADDITIONAL COST TO THE OWNER.
7. VOIDS LEFT BY ANY ITEM REMOVED SHALL BE BACKFILLED. UNDER AND WITHIN FIVE FEET OF PAVED SURFACES, INCLUDING, BUT NOT LIMITED TO, STREETS, SIDEWALKS, AND DRIVEWAYS, CLASS II BACKFILL MATERIAL IS TO BE USED AND COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY UP TO THE FINAL ONE FOOT. THE FINAL ONE FOOT SHOULD BE COMPACTED TO AT LEAST 98% STANDARD PROCTOR DENSITY. BACKFILL OUTSIDE OF THE FIVE FOOT PAVEMENT AREAS ALLOWS CLASS IVA OR CLASS IVB MATERIAL. BACKFILL SOIL MATERIAL ALLOWED SHALL ONLY BE CLAY MATERIAL MEETING THIS CLASSIFICATION. SAND AND SILT SOILS WILL NOT BE ALLOWED. REFER TO IOWA DOT SECTION 2552 AND TABLE 2552.02-2.
8. CONTRACTOR SHALL PROVIDE TEMPORARY DIVERSION SWALES OR OTHER MEANS OF MAINTAINING ADEQUATE SITE DRAINAGE.
9. CONTRACTOR SHALL UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
10. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF A FIELD OR DRAIN TILE IS ENCOUNTERED AND SHALL INDICATE THE METHOD OF RESOLVING THE CONFLICT. THE ENGINEER SHALL APPROVE THE PROPOSED METHOD. A RECORD OF THE LOCATION OF ALL FIELD TILE OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE OWNER AND/OR ENGINEER UPON COMPLETION OF THE PROJECT AND ACCURATELY SHOWN ON THE RECORD DRAWINGS. EXISTING FIELD TILE LINES ENCOUNTERED IN THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR IN ONE OF THE FOLLOWING WAYS:

10.1. CONNECT TILE TO THE NEAREST STORM SEWER.

10.2. DAYLIGHT TO FINISHED GROUND.

10.3. REPAIR TILE AND MAINTAIN SERVICE.

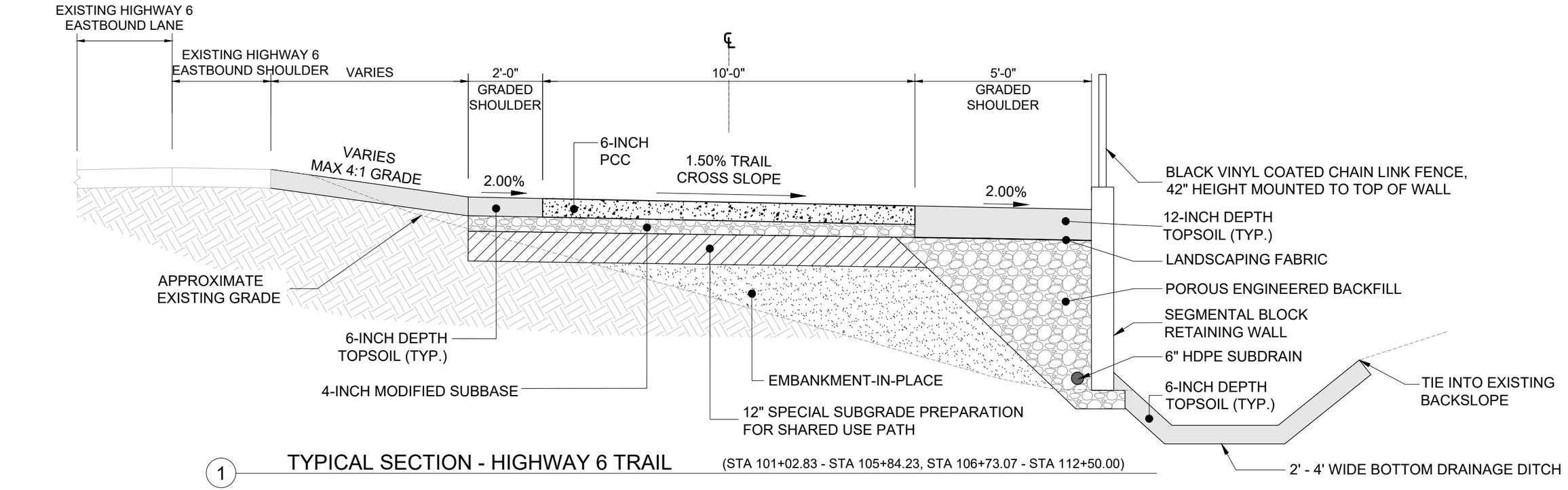
GRADING NOTES

1. NO ROCK EXCAVATION IS ANTICIPATED ON THIS PROJECT, SHOULD ROCK BE ENCOUNTERED DURING CONSTRUCTION, NOTIFY THE OWNER'S REPRESENTATIVE.
2. STRIP EXISTING VEGETATION AND REMOVE AND DISPOSE OF GRAVEL AND SURFACE MATERIAL WITHIN THE PROJECT LIMITS AND AREAS TO RECEIVE FILL. COORDINATE DISPOSAL OF THESE MATERIALS WITH CITY OF IOWA CITY.
3. STRIP EXISTING TOPSOIL WITHIN THE PROJECT LIMITS AND AREAS TO RECEIVE FILL. STOCKPILE TOPSOIL FOR REUSE. EXCESS TOPSOIL MAY BE STOCKPILED ON SITE AT A LOCATION APPROVED BY THE OWNER'S REPRESENTATIVE. ESTIMATED TOP SOIL DEPTH IS 4" IN EXISTING LANDSCAPED AREAS. PLEASE NOTE TOP SOIL DEPTHS MAY VERY ON-SITE.
4. PROOFROLL ALL FILL AREAS TO IDENTIFY SOFT OR DISTURBED AREAS IN THE SUBGRADE. ALL UNSUITABLE MATERIAL IDENTIFIED SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL AND RECOMPACTED TO 95% STANDARD PROCTOR DENSITY. PROOFROLL WITH 25 TON MINIMUM GROSS VEHICLE WEIGHT.
5. REMOVE AND RECOMPACT AREAS OF SUBGRADE WHICH ARE SOFT OR UNSTABLE TO MEET SPECIFIED LIMITS FOR DENSITY AND MOISTURE CONTENT. PAVED AREAS TO BE COMPACTED TO 98% STANDARD PROCTOR DENSITY AND 98% STANDARD PROCTOR DENSITY FOR BUILDING PAD AREAS.
6. SCARIFY AND RECOMPACT THE TOP 12 INCHES OF SUBGRADE IN ALL CUT AREAS AFTER ROUGH GRADING IS COMPLETED. COMPACT THE ENTIRE PAVING SUBGRADE TO 95% STANDARD PROCTOR DRY DENSITY TO WITHIN 12 INCHES OF FINAL SUBGRADE.
7. DO NOT PLACE, SPREAD, OR COMPACT ANY FILL MATERIAL DURING UNFAVORABLE WEATHER CONDITIONS AND DO NOT RESUME COMPACTION OPERATIONS UNTIL MOISTURE CONTENT AND DENSITY OF IN-PLACE FILL MATERIAL ARE WITHIN SPECIFIED LIMITS.
8. FILL MATERIAL OBTAINED FROM OFF-SITE SOURCES SHALL BE SOIL OR SOIL AND ROCK MIXTURE FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES. IT SHALL CONTAIN NO ROCKS OR LUMPS OF 6 INCHES IN GREATEST DIMENSION AND NOT MORE THAN 15% OF THE ROCKS OR LUMPS SHALL BE LARGER THAN 2-1/2 INCHES IN GREATEST DIMENSION.
9. CONTRACTOR SHALL CAREFULLY PRESERVE ALL SITE BENCHMARKS AND REFERENCE POINTS DURING CONSTRUCTION OPERATIONS.
10. CONTRACTOR SHALL MAKE SURE POSITIVE DRAINAGE TO ALL STORM DRAINAGE STRUCTURES EXIST. AREAS OF SURFACE PONDING SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
11. EXCAVATION SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF THE WORK AND FOR THE SAFETY OF PERSONNEL. SHORING SHALL BE IN ACCORDANCE WITH ALL O.S.H.A AND LOCAL REGULATIONS.
12. FINISH CONTOURS AND SPOT ELEVATIONS SHOWN ARE TO TOP OF PAVEMENT OR TO TOP OF TOPSOIL, UNLESS OTHERWISE NOTED.

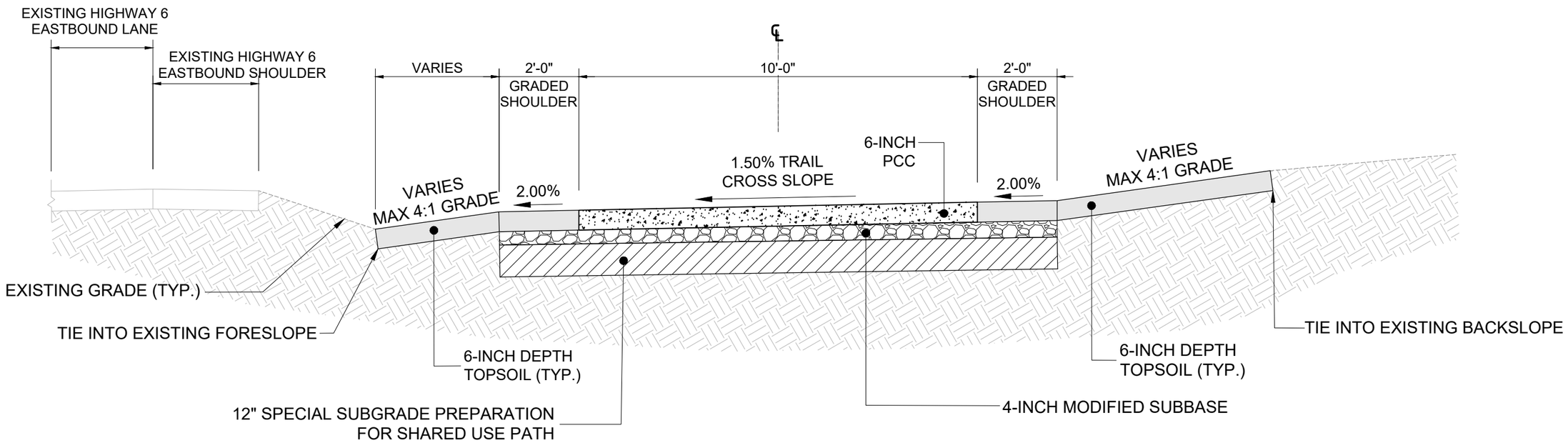
PAVEMENT GENERAL NOTES

1. ALL SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING.
2. ALL DIMENSIONS TO TOP OF SLAB UNLESS NOTED OTHERWISE.
3. REMOVE AND REPLACE OR RESTORE ALL STREET SIGNS, PAVEMENT MARKINGS, SIDEWALK LAMPS, SIDEWALKS, STEPS, LANDSCAPE STRUCTURES, CURB AND GUTTER, STREETS, DRIVES, AND ALL OTHER SURFACE STRUCTURES REMOVED OR OTHERWISE DAMAGED DURING THE COURSE OF THE WORK.
4. ALL PAVEMENT AND SIDEWALKS SHALL BE REMOVED AND REPLACED TO NEAREST JOINT BEYOND CONSTRUCTION AREA.
5. COMPACT SUBGRADE BENEATH PAVEMENTS IN ACCORDANCE WITH GRADING NOTES.
6. ANY MODIFICATIONS TO JOINTING SHALL MEET IOWA DOT REQUIREMENTS FOR MAXIMUM LENGTH AND WIDTH BASED ON PAVEMENT THICKNESSES SHOWN. PROVIDE JOINTS 18' O/C MAXIMUM (9" PAVEMENT), 16' O/C MAXIMUM (8" PAVEMENT), 14' O/C MAXIMUM (7" PAVEMENT) OR 10' O/C MAXIMUM (6" PAVEMENT) UNLESS NOTED OTHERWISE. MATERIALS AND CONSTRUCTION FOR PORTLAND CEMENT CONCRETE PAVEMENTS SHALL MEET THE REQUIREMENT OF IOWA DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, LATEST REVISION, SECTION 2301. THE PARAGRAPHS FOR MEASUREMENT AND PAYMENT SHALL NOT APPLY.
7. CURBS SHALL BE CAST INTEGRAL WITH CONCRETE PAVEMENT UNLESS NOTED OTHERWISE. EDGES SHALL BE ROUNDED BUT NOT ROLLED.
8. THE CONTRACTOR SHALL PROVIDE THE ENGINEER A PAVEMENT POURING DIAGRAM TO THE OWNER AND ENGINEER FOR APPROVAL PRIOR TO PAVEMENT OPERATIONS. DESIGN FILE AND ADDITIONAL PAVEMENT ELEVATIONS AT JOINTS CAN BE COORDINATED WITH ENGINEER TO FACILITATE STAKING, LAYOUT, AND DESIGNED DRAINAGE PATTERNS UPON REQUEST.
9. THE CONTRACTOR SHALL PROVIDE THE ENGINEER A FINAL PAVEMENT JOINTING PLAN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
10. ALL JOINT TYPES ARE DETAILED IN IOWA DOT STANDARD ROAD PLAN PV-101.
11. PAVEMENT LONGITUDINAL JOINTS SHALL AS SHOWN ON THE PLANS.
12. PAVEMENT TRANSVERSE JOINTS SHALL BE AS SHOWN ON THE PLANS.
13. ALL JOINTS, INCLUDING "BT" OR "L" TYPE JOINTS, SHALL BE SEALED.
14. A PRE-POUR MEETING WILL BE COORDINATED WITH THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF PLANNED INSTALLATION. ADDITIONAL ADVANCED NOTICE AND COORDINATION IS PREFERRED.
15. A PRE-PAINT MEETING WILL BE COORDINATED WITH THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF PLANNED INSTALLATION. ADDITIONAL ADVANCED NOTICE AND COORDINATION IS PREFERRED.

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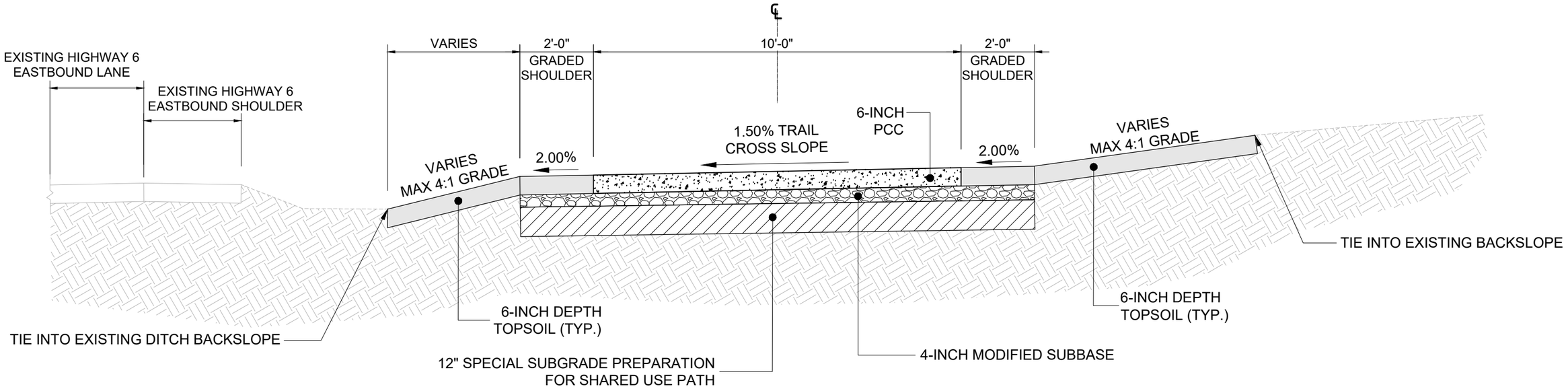
1 TYPICAL SECTION - HIGHWAY 6 TRAIL (STA 101+02.83 - STA 105+84.23, STA 106+73.07 - STA 112+50.00)



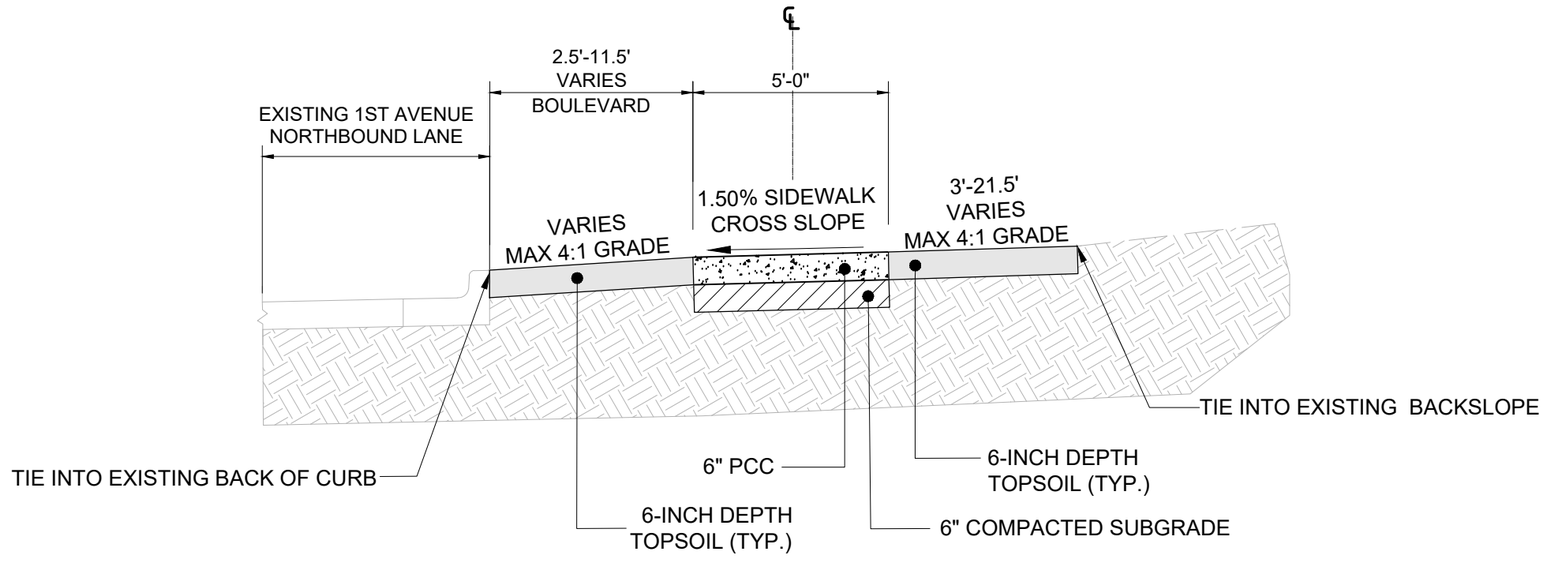
2 TYPICAL SECTION - HIGHWAY 6 TRAIL (STA 112+50.00 - STA 122+54.06)

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	TYPICAL SECTION AND DETAILS	SHEET NUMBER B.01

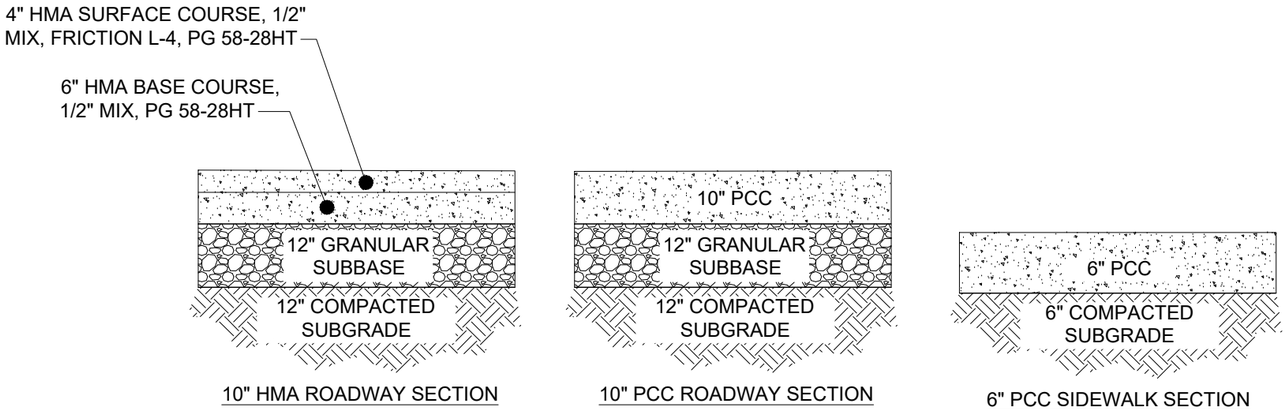


3 TYPICAL SECTION - HIGHWAY 6 TRAIL (STA 124+10.00 - STA 135+05.90, STA 135+40.86 - STA 147+73.86)



4 TYPICAL SECTION - S 1ST AVENUE SIDEWALK (STA 202+49.00 - STA 205+53.17)

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	TYPICAL SECTION AND DETAILS	SHEET NUMBER B.03

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY
1	2101-0850001	CLEARING AND GRUBBING	ACRE	0.97
2	2101-0850002	CLEARING AND GRUBBING	UNIT	630
3	2102-2625000	EMBANKMENT-IN-PLACE	CY	3706
4	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	945
5	2102-2713090	EXCAVATION, CL 13, WASTE	CY	500
6	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	3658
7	2115-0100000	MODIFIED SUBBASE	CY	1550
8	2123-7450020	SHLD FINISH, EARTH	STA	96
9	2210-0475290	MACADAM STONE BASE	TON	32
10	2301-1083100	STD/S-F PCC PAV'T, CL M CL 3, 10"	SY	403
11	2301-6911722	PCC PAVEMENT SAMPLES	LS	1
12	2303-1141500	HOT MIX ASPHALT HIGH TRAFFIC, BASE COURSE, 1/2 IN. MIX	SY	62
13	2303-1143500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	SY	62
14	2401-6745910	REMOVAL OF SIGN	EACH	1
15	2416-0100012	APRONS, CONCRETE, 12 IN. DIA.	EACH	1
16	2416-0100015	APRONS, CONCRETE, 15 IN. DIA.	EACH	2
17	2416-0100018	APRONS, CONCRETE, 18 IN. DIA	EACH	1
18	2416-0100024	APRONS, CONCRETE, 24 IN. DIA.	EACH	5
19	2431-0000100	SEGMENTAL BLOCK RETAINING WALL	SF	7310
20	2435-0140148	MANHOLE, STORM SWR, SW-401, 48"	EACH	7
21	2435-0140160	MANHOLE, STORM SWR, SW-401, 60"	EACH	2
22	2435-0250800	INTAKE, SW-508	EACH	2
23	2435-0251224	INTAKE, SW-512, 24"	EACH	1
24	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	1
25	2502-8212106	SUBDRAIN, PLASTIC PIPE, 6"	LF	52
26	2503-0110012	STORM SWR GRAVITY MAIN, TRENCHED, 12"	LF	28
27	2503-0110015	STORM SWR GRAVITY MAIN, TRENCHED, 15"	LF	88
28	2503-0110018	STORM SWR GRAVITY MAIN, TRENCHED, 18"	LF	30
29	2503-0110024	STORM SWR GRAVITY MAIN, TRENCHED, 24"	LF	753
30	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	187
31	2507-3250005	ENGINEERING FABRIC	SY	59
32	2507-8029000	EROSION STONE	TON	28
33	2510-6745850	REMOVAL OF PAVEMENT	SY	446
34	2510-6750600	RMVL OF INTAKE+UTILITY ACCESS	EACH	5
35	2511-0302600	RECREATIONAL TRAIL, PCC, 6"	SY	5231
36	2511-0310100	SPECIAL COMPACTION OF SUBGRADE/REC TRAIL	STA	48
37	2511-6745900	REMOVAL OF SIDEWALK	SY	225
38	2511-7526006	SIDEWALK, PCC, 6"	SY	213
39	2511-7526008	SIDEWALK, PCC, 8"	SY	396
40	2511-7528101	DETECTABLE WARNING, CAST IRON - BRICK RED	SF	286
41	2519-1002042	FENCE, CHAIN LINK, 42 IN. HEIGHT	LF	1097
42	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	1
43	2524-9325150	INSTALL TYPE A SIGN	EACH	3
44	2525-0000100	TRAFFIC SIGNALIZATION - 1ST AVENUE	LS	1
45	2525-0000100	TRAFFIC SIGNALIZATION - SYCAMORE STREET	LS	1
46	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION	LS	1
47	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY	LS	1
48	2526-8285030	CONSTRUCTION SURVEY, RIGHT OF WAY	LS	1
49	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY	LS	1
50	2527-9263181	PAVEMENT MARKINGS REMOVED	STA	16.8
51	2527-9263212	PAINTED PAVEMENT MARKINGS, HIGH-BUILD WATERBORNE	STA	26.8
52	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	26.8
53	2528-2518000	SAFETY CLOSURE	EACH	6
54	2528-8445110	TRAFFIC CONTROL	LS	1
55	2533-4980005	MOBILIZATION	LS	1
56	2554-0112008	WATER MAIN, TRENCHED, DIP, 8"	LF	20
57	2554-0203000	FITTINGS BY WEIGHT, DI	LB	130
58	2554-0207008	VALVE, GATE, DIP, 8 IN.	EACH	1
59	2554-0209008	VALVE REMOVAL, 8 IN.	EACH	1
60	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EACH	1
61	2554-0210205	FIRE HYDRANT ASSEMBLY REMOVAL	EACH	1
62	2554-0212040	VALVE BOX ADJ, MINOR	EACH	1
63	2601-2634100	MULCHING	ACRE	3.4
64	2601-2636043	SEEDING AND FERTILIZING (RURAL)	ACRE	3.4
65	2602-0000312	PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	4480
66	2602-0000351	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	4480
67	2602-0000500	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602	LF	65
68	2602-0000510	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	5
69	2602-0000520	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	5
70	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG, EC-604	EACH	7
71	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	2

105_04
10/20/26

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
DR-104	04-19-16	Depth of Cover Tables for Concrete and Corrugated Pipe
DR-121	04-18-23	Connected Pipe Joints
DR-201	10-17-23	Concrete Aprons
DR-213	10-18-22	Pipe Apron Guard
DR-303	10-17-17	Subdrains (Longitudinal)
DR-305	04-19-22	Subdrain Outlets (Standard Subdrain, Pressure Release and Special)
DR-621	04-18-17	Pipe Extension
DR-601	04-18-17	Reinforced Concrete Pipe Culvert
EC-201	04-20-21	Silt Fence
EC-204	10-19-21	Perimeter, Slope and Ditch Check Sediment Control Devices
EC-301	10-18-22	Rock Erosion Control (REC)
EC-303	10-19-21	Stabilized Construction Entrance
EC-501	04-21-15	Trees and Shrubs
EC-602	10-15-24	Open-Throat Curb Intake Sediment Filter
EC-603	10-17-23	Erosion Control for Intake or Manhole Well
EC-604	10-17-23	Grate Intake Sediment Filter Bag
EW-101	10-17-17	Embankment and Rebuilding Embankments
EW-105	04-21-15	Reshaping Slopes and Ditches
EW-403	04-18-17	Temporary Erosion Control Measures
MI-102	10-20-15	Chain Link Fence Construction
MI-220	04-15-25	Detectable Warnings and Pedestrian Ramp
PM-110	10-15-24	Line Types
PM-111	04-21-20	Symbols and Legends
PM-115	10-20-26	Grooving for Line Types
PM-116	04-16-24	Grooving for Symbols and Legends
PM-120	10-15-24	Stop Lines and Islands
PV-101	10-20-26	Joints
PV-102	10-21-25	PCC Curb Details
PV-301	04-15-25	Superelevation Details Two Lane Roadway
SI-101	04-19-16	Locations - Type 'A' Signs
SI-131	10-18-16	Installation - Type 'A' Signs
SI-133	10-17-17	Installation - Type 'A' Sign Shim
SI-171	04-18-17	Reference Location Sign Posts
SI-881	10-20-26	Special Signs for Workzones
SW-101	10-21-25	Trench Bedding and Backfill Zones
SW-401	10-21-25	Circular Storm Sewer Manhole
SW-508	10-21-25	Single Open-Throat Intake, Large Box
SW-512	10-21-25	Circular Area Intake
SW-604	10-21-25	Castings for Area Intakes
TC-251	04-18-23	Temporary Road Closure
TC-252	10-20-26	Routes Closed to Traffic
TC-601	10-15-19	Pedestrian Detour
TC-602	10-15-19	Sidewalk Diversion
TS-102	10-21-25	Traffic Signal Pole Foundation

CITY OF IOWA CITY SUPPLEMENTAL SPECIFICATIONS

3010.201	SPECIFIC TRENCH BEDDING AND BACKFILL ZONES
4020.211	STORM SEWER PIPE CONNECTIONS
5020.201	TYPICAL VALVE AND HYDRANT ASSEMBLY
6010.601	CASTINGS FOR SANITARY SEWER MANHOLES
6010.602	CASTINGS FOR STORM SEWER MANHOLES
7010.999	PAVEMENT REINFORCEMENT OVER STORM SEWER CROSSING
7030.301	SIDEWALK CONNECTION
8010.108	PEDESTRIAN POLE AND PEDESTRIAN POST DETAILS
8020.101	LINE TYPES

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ESTIMATE REFERENCE NOTES

Data listed below is for informational purposes only and shall not constitute a basis for any extra work orders.

ITEM NO.	ITEM CODE	DESCRIPTION
1	2101-0850001	CLEARING AND GRUBBING A. See 'R' Sheets for Details. B. See 'C' Sheets for Tabulations. C. Trees and shrubs shall be felled prior to April 1st D. Removal of felled trees, shrubs, and grubbing of stumps 24" below finish grade may occur during the construction project as needed E. Burning of trees and stumps shall not be allowed.
2	2101-0850002	CLEARING AND GRUBBING A. See 'R' Sheets for Details. B. See 'C' Sheets for Tabulations. C. Trees and shrubs shall be felled prior to April 1st D. Removal of felled trees, shrubs, and grubbing of stumps 24" below finish grade may occur during the construction project as needed E. Burning of trees and stumps shall not be allowed.
3	2102-2625000	EMBANKMENT-IN-PLACE A. Shrinkage is not included in bid quantity. B. Item shall be provided by Contractor.
4	2102-2710070	EXCAVATION, CLASS 10 A. This item is included for class 10 material to be excavated, transported, and placed at the project site. Overhaul is incidental to roadway and trail excavation on this project and will not be paid separately.
5	2102-2713090	EXCAVATION, CL 13, WASTE A. This item is a contingency item for excavation of any unsuitable materials. B. Core out and haul away for unsuitable soils.
6	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD A. Quantities assume 8 in. stripping depth and 6 in. spread thickness. B. Estimating 25% shrinkage factor. C. All topsoil shall remain on the project site. D. Geotech report available upon request. E. Testing of soils is incidental to this item. Soils must meet requirements in Iowa DOT Standard Specification Article 4170.09.
7	2115-0100000	SUBBASE, MODIFIED, 6" A. See 'B' Sheets for Details. B. Modified subbase shall be placed 2' beyond edge of pavement. C. Place modified subbase in lifts no greater than 6".
8	2123-7450020	SHLD FINISH, EARTH A. Quanititles are based on finished shoulder surface area and each side of the trail is measured separately. B. Includes final shaping, grading, smoothing, and compaction. C. Item does not include earthwork material or topsoil.
9	2210-0475290	MACADAM STONE BASE A. This item is a contingency item for replacement of any unsuitable materials. B. Multiaxial geogrid is incidental to this item.
10	2301-1083100	STD/S-F PCC PAV'T, CL M CL 3, 10" A. Pavement shall be a C-SUD mix. B. See 'B' Sheets for Details. C. See 'C' Sheets for Tabulation. D. See 'G' Sheets for Geometric Control. E. Incidental to this item is providing a temporary washout that meets EPA minimum BMP measures. F. Certified plant inspection shall be provided by the Contractor.
11	2301-6911722	PCC PAVEMENT SAMPLES AND TESTING A. Item includes certified plant inspection, pavement thickness cores, and maturity testing. B. Contractor must perform testing to receive compensation for this item. C. Maturity curve must be provided by the pre pour meeting.
12	2303-1141500	HOT MIX ASPHALT HIGH TRAFFIC, BASE COURSE, 1/2 IN. MIX A. Refer to 'D' Sheets for locations. B. Unit price includes a minimum of 6" subgrade preparation extending 2' beyond edges of pavement. C. Contractor shall be responsible for maintaining a safe roadway surface. Repairs and replacement of failed temporary pavement will not be paid for separately. All milling required shall be incidental to this bid item. D. Certified plant inspection shall be provided by the Contractor.
13	2303-1143500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT A. Refer to 'D' Sheets for locations. B. Unit price includes a minimum of 6" subgrade preparation extending 2' beyond edges of pavement. C. Contractor shall be responsible for maintaining a safe roadway surface. Repairs and replacement of failed temporary pavement will not be paid for separately. All milling required shall be incidental to this bid item. D. Certified plant inspection shall be provided by the Contractor.
14	2401-6745910	REMOVAL OF SIGN A. See 'R' Sheets for locations. B. Method of mesurement will be by count for each removed. C. Basis of payment is full compensation for furnishing all material, equipment, labor; for performance of all work necessary for removal of the sign. D. Salvage signs to the City of Iowa City if requested.
15	2416-0100012	APRONS, CONCRETE, 12 IN. DIA.
16	2416-0100015	APRONS, CONCRETE, 15 IN. DIA.
17	2416-0100018	APRONS, CONCRETE, 18 IN. DIA.
18	2416-0100024	APRONS, CONCRETE, 24 IN. DIA. A. See 'M' Sheets for Details B. See 'C' Sheets for Tabulation. C. Apron guards are required and are incidential to aprons.
19	2431-0000100	SEGMENTAL BLOCK RETAINING WALL A. See 'B' Sheets for Typical Sections. B. See 'C' Sheets for Tabulations C. See 'V' Sheets for Locations. D. The walls shall be designed by a licensed professional engineer in the State of Iowa and constructred according to the wall manufacturer's reccomendations and requirements. The cost of this is included with this bid item. E. Structural fill under and behind the wall shall be compacted as required by the wall engineer. Compaction testing is incidental to this item and shall be performed by an independent testing laboratory. F. Excavation, foundation preparation, installing wall units, leveling pad, subdrain for the wall (required), porous backfill materials for subdrain, granular backfill for the wall (if necessary), engineering fabric (if necessary), reinforcement and pin connections, geogrid, placement of suitable backfill, dewatering, compaction, compaction testing, and other necessary appurtenances are incidential to this item. G. Wall manufacturer shall comply with materials and requirements per Iowa DOT Materials I.A. 445.05. Approved suppliers shall be Redi-Rock (Kingstone), Recon Wall (Rustic), Versa-Lok (Brute) or approved equal. The Contractor shall provide documentation showing compliance with Iowa DOT requirements. Coloring/stain shall be considered incidiental to this item. Contractor shall submit samples to the City for approval prior to construction. The wall shall include a cap block. Cap block is incidiental to this item. H. Quantities assume a minimum 18" bury on first row of blocks. I. Poured concrete headwalls at pipe penstrations are incidential to this item. J. Certified plant inspection shall be provided by the contractor.
20	2435-0140148	MANHOLE, STORM SWR, SW-401, 48" A. The unit price for this item (each) will be paid based on the number of structures constructed and includes excavation, forming, reinforcing steel, dowels, supply and placement of class A granular backfill to final surface elevation, and providing City of Iowa City supplemental specification approved frame and casting. B. See 'C' Sheets for Tabulations. C. Exterior chimney seals shall be incidental. D. Item includes supply and installation necessary pipe to reconnect existing pipes to the structure. Contractor shall confirm existing pipe sizes, materials and depths prior to installation. E. item inlcudes trench box intstallation and barrier rail if necessary to limit pavement removal and impact to parkway, or when required to allow access near excavation. F. Bypass pumping as needed shall be incidental. G. Risers shall be Pro-Ring chimney risers and shall be incidental to this item. H. Pipe connections shall use A-Lok connections or approved equal. Concrete collars are not allowed without approval of Engineer. I. See 'M' Sheets for Details.
21	2435-0140160	MANHOLE, STORM SWR, SW-401, 60" A. The unit price for this item (each) will be paid based on the number of structures constructed and includes excavation, forming, reinforcing steel, dowels, supply and placement of class A granular backfill to final surface elevation, and providing City of Iowa City supplemental specification approved frame and casting. B. See 'C' Sheets for Tabulations. C. Exterior chimney seals shall be incidental. D. Item includes supply and installation necessary pipe to reconnect existing pipes to the structure. Contractor shall confirm existing pipe sizes, materials and depths prior to installation. E. item inlcudes trench box intstallation and barrier rail if necessary to limit pavement removal and impact to parkway, or when required to allow access near excavation. F. Bypass pumping as needed shall be incidental. G. Risers shall be Pro-Ring chimney risers and shall be incidental to this item. H. Pipe connections shall use A-Lok connections or approved equal. Concrete collars are not allowed without approval of Engineer. I. See 'M' Sheets for Details.
22	2435-0250800	INTAKE, SW-508 A. The unit price for this item (each) will be paid based on the number of structures constructed (precast or poured in place) and included furnishing or building structures in place, appurantances, handling, excavation, dewatering, bedding, backfill, collars and miscellaneous work, installation of interior collars and fillets. B. Item shall include replacement and connection of min 4' RCP section with approved "C" collar and reconnection of tile lines. Storm sewer pipe connections to manholes or intakes shall include an elastromericd gasket that surrounds the pipe, attaches with stainless stell bands and is designed to stop the movement of water along the interface bwtween the pipe and the surrounding collar. C. See 'C' Sheets for Tabulations. D. Includes intake frame and lids featuring Iowa City logo and storm sewer label as shown in City of Iowa City supplemental specification details. E. This item inlcudes supply and installation of compacted Class A granular roadstone for all intakes to finished surface. F. Risers shall be Pro-Ring chimney risers and shall be incidental to this item. G. Pipe connections shall use A-Lok connections or approved equal. Concrete collars are not allowed without approval of Engineer. H. See 'M' Sheets for Details.
23	2435-0251224	INTAKE, SW-512, 24" A. The unit price for this item (each) will be paid based on the number of structures constructed (precast or poured in place) and included furnishing or building structures in place, appurantances, handling, excavation, dewatering, bedding, backfill, collars and miscellaneous work, installation of interior collars and fillets. B. Item shall include replacement and connection of min 4' RCP section with approved "C" collar and reconnection of tile lines. Storm sewer pipe connections to manholes or intakes shall include an elastromericd gasket that surrounds the pipe, attaches with stainless stell bands and is designed to stop the movement of water along the interface bwtween the pipe and the surrounding collar. C. See 'C' Sheets for Tabulations. D. Includes intake frame and lids featuring Iowa City logo and storm sewer label as shown in City of Iowa City supplemental specification details. E. This item inlcudes supply and installation of compacted Class A granular roadstone for all intakes to finished surface. F. Risers shall be Pro-Ring chimney risers and shall be incidental to this item. G. Pipe connections shall use A-Lok connections or approved equal. Concrete collars are not allowed without approval of Engineer. H. See 'M' Sheets for Details.
24	2435-0600020	MANHOLE ADJUSTMENT, MAJOR A. Replacing existing grate lid and casting with new solid lid is incidental to this item. B. See 'M' Sheets for Locations and Details. C. See 'C' Sheets for Tabulation.
25	2502-8212106	SUBDRAIN, PLASTIC PIPE, 6" A. See 'C' Sheets for Tabulation. B. See 'D' Sheets for location Details. C. Porous Backfill is incidental. D. Engineering Fabric is incidental. E. Connections to existing subdrains is incidental. F. Spoils from subdrain trench excavation shall not be placed on modified subbase. G. Includes necessary elbows, tees, connection, and backfill material to install the subdrain. H. Subdrains are to outlet into storm sewer on upstream and downstream ends, except for those to receive a subdrain riser on the upstream end.
26	2503-0110012	STORM SEWER GRAVITY MAIN, TRENCHED, 12"
27	2503-0110015	STORM SEWER GRAVITY MAIN, TRENCHED, 15"
28	2503-0110018	STORM SEWER GRAVITY MAIN, TRENCHED, 18"
29	2503-0110024	STORM SEWER GRAVITY MAIN, TRENCHED, 24" A. See 'C' Sheets for Tabulation. B. See 'M' Sheets for Details. C. "O" Ring gasketed pipe required. D. For Road Crossings Granular Backfill shall be used to Fill in Trench to Bottom of Subbase and is Included in Bid Item.
30	2503-0200036	REMOVAL OF STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN. A. See 'C' Sheets for Tabulation. B. See 'R' Sheets for Details. C. Includes removal and disposal of existing storm sewer pipe and aprons. D. Placement of suitable backfill and compaction to 95% standard proctor density in the remaining void space is incidental to this item. E. Removal of concrete inside pipe is incidental to this item.
31	2507-3250005	ENGINEERING FABRIC A. Engineering fabric shall be material as specified for embankment erosion control in accordance with Article 4196.01, B, 3 of the Standard Specifications.
32	2507-8029000	EROSION STONE
33	2510-6745850	PAVEMENT REMOVAL A. Item includes sawing, breaking, removing, and disposing of existing pavement, reinforcing steel and subdrains. B. Thickness is assumed to be 8-10" pavement age and thickness is unknown. No additional payment will be made for additonal thickness. C. Damage to adjoining pavement caused by contractor operations shall be replaced at contractors expense. D. See 'R' Sheets for Details. E. See 'C' Sheets for Tabulations and pavement types. F. Full depth saw cutting is incidental and required prior to removal of pavement adjacent to existing pavement. G. Refer to Geotechnical Report for available pavement type and thickness information.
34	2510-6750600	REMOVAL OF INTAKE+UTILITY ACCESS A. See 'R' Sheets for Locations. B. See 'C' Sheets for Tabulation.
35	2511-0302600	RECREATIONAL TRAIL, PCC, 6' A. See 'C' Sheets for Tabulations. B. See 'B' Sheets for Details. C. Certified plant inspection shall be provided by the Contractor. D. Minor grading to reach finished subgrade is incidential to this item. E. Transverse joints shall be spaced every 10 feet (typical). Install and seal 1/2 inch preformed expansion joints every 300' and at the top of curbs ramps.
36	2511-0310100	SPECIAL COMPACTION OF SUBGRADE/REC TRAIL A. See 'B' Sheets for Details. B. Subgrade width shall be 2' outside edge of PCC trail.
37	2511-6745900	REMOVAL OF SIDEWALK A. Item includes sawing, breaking, removing, and disposing of existing sidewalk. B. See 'R' Sheets for Details. C. See 'C' Sheets for Tabulations and pavement types. D. Estimated thickness is 4" - 6", No additional payment will be made for thickness that are different. E. Work shall include full-depth saw cutting to create a clean edge between existing and proposed sidewalks. F. Adjacent sidewalk pavement damaged during removals shall be replaced by Contractor incidental to this item.
38	2511-7526006	SIDEWALK, PCC, 6"
39	2511-7526008	SIDEWALK, PCC, 8" A. See 'C' Sheets for Tabulations. B. See 'D' and 'S' Sheets for Details. C. Item includes minor grade adjustments at driveways and other intersections, subgrade preparation, formwork, additional thickness at thickened edges, jointing, sampling, and testing. D. Includes Certified Plant Inspection. E. Transverse joints shall be spaced every 5-feet (typical). Install and seal 1/2-inch preformed expansion joint at top of ramps. F. Curb Ramps to be doweled into street paving. G. Curb ramps and turning spaces shall be 8" thick, extra thickness shall be considered incidental to this item. H. Sidewalk curb along Earl May property is incidental to this item.
40	2511-7528101	DETECTABLE WARNING, CAST IRON - BRICK RED A. See 'C' Sheets for Tabulation. B. See 'D' Sheets for Details. C. Cast iron and color shall be brick red.
41	2519-1002042	FENCE, CHAIN LINK, 42 IN. HEIGHT A. Fence to be installed on top of retaining wall. B. Materials and installation shall be in accordance with Iowa DOT Standard Specifications Section 2519. C. Includes mounting hardware, concrete anchors, and all labor, equipment, and materials. Fence shall be paid for in linear feet installed.
42	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN A. See 'R' Sheets for Details. B. See 'C' Sheets for Tabulation. C. Method of measurement shall be by count of each satisfactorily removed and reinstalled. D. Basis of payment is full compensation for furnishing all material, equipment, and labor; for performance of all work necessary for removal and reinstallation of the sign, including protection, removal, stockpiling, and reconstruction of the signs, support structures, and foundations; and placement of any backfill material made necessary by these operations.
43	2524-9325150	INSTALL TYPE A SIGN A. See 'C' Sheets for Tabulation. B. See 'O' Sheets for Locations.
44	2525-0000100	TRAFFIC SIGNALIZATION -1st AVENUE
45	2525-0000100	TRAFFIC SIGNALIZATION - SYCAMORE STREET A. All quantities shown in the plans and specifications are for informational and estimating purposes only. B. Method of measurement is lump sum. Basis of payment shall be the contract price for the lump sum item. C. The contractor's bid for this item shall include all labor, equipment, and materials necessary to provide a complete and functional traffic signal installation at the intersections of Highway 6 and 1st Avenue and Highway 6 and Sycamore Street. D. Traffic signal quantities shall not be measured. E. Refer to N Sheets for locations and details. F. Certified plant inspection shall be provided by the contrator for concrete in the traffic signal pole foundations.
46	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION
47	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY
48	2526-8285030	CONSTRUCTION SURVEY, RIGHT OF WAY
49	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY
50	2527-9263181	PAVEMENT MARKINGS REMOVED A. See 'R' Sheets for locations. B. See 'C' Sheets for Tabulation.
51	2527-9263212	PAINTED PAVEMENT MARKINGS, HIGH-BUILD WATERBORNE A. See 'O' Sheets for Details. B. See 'C' Sheets for Tabulation.
52	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS A. See 'O' Sheets for Details.
53	2528-2518000	SAFETY CLOSURE A. Refer to 'J' Sheets for safety closure placement. B. Payment is for full compensation for furnishing material, labor, and equipment necessary to erect, maintain and remove safety closures. Safety closures shall remain in plan until Phase/Stage is complete and can be reopened to traffic. Signs may be reused for other closures. Relocation of signs for other Phases/Stages shall be incidental to this item.
54	2528-8445110	TRAFFIC CONTROL A. See 'J' Sheets for Detours, Temporary Traffic Control Plan, and Staging Notes. B. Item includes providing, placing, shifting, maintaining, replacing and removing all traffic control signage and devicees throughout the duration of the project. Item also includes temporary sign installations to maintain regulatory signs and road identification signs at intersections during construction.
55	2533-4980005	MOBILIZATION A. Item includes mobilization for entire project. B. Concrete Washout is incidental to this item.
56	2554-0112008	WATER MAIN, TRENCHED, DIP, 8" A. See 'MW' Sheets for Details and Locations. B. See 'C' Sheets for Tabulation. C. Water main removal is incidental to this item.
57	2554-0203000	FITTINGS BY WEIGHT, DI A. See 'MW' Sheets for Details and Locations. B. See 'C' Sheets for Tabulation.
58	2554-0207008	VALVE, GATE, DIP, 8 IN. A. See 'MW' Sheets for Details and Locations. B. See 'C' Sheets for Tabulation.
59	2554-0209008	VALVE REMOVAL, 8 IN. A. See 'R' Sheets for Details and Locations. B. See 'C' Sheets for Tabulation.
60	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201 A. See 'MW' Sheets for Details and Locations. B. See 'C' Sheets for Tabulation.
61	2554-0210205	FIRE HYDRANT ASSEMBLY, WM-201 A. See 'R' Sheets for Removals. B. See 'C' Sheets for Tabulation.
62	2554-0212040	VALVE BOX ADJUSTMENT, MINOR A. See 'MW' Sheets for Locations. B. See 'C' Sheets for Tabulation. C. Item includes adjustment to center the valve in the box.
63	2601-2634100	MULCHING A. Item includes placement for all seeding locations and one application of stabilizing crop - seeding and fertilizing of disturbed areas.
64	2601-2636043	SEEDING AND FERTILIZING (RURAL) A. See 'F' Sheets for Details B. See 'C' Sheets for Tabulations. C. Includes quantity for temporary seeding as necessary to stabilize soil prior to placing sod. D. Seeding shall be completed within specified dates for seeding application and shall be completed as soon as practical after final grading and topsoil placement is completed.
65	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA
66	2602-0000351	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE A. See 'F' Sheets for Locations and Details. Verify the specific locations with the Engineer prior to beginning placement.
67	2602-0000500	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602
68	2602-0000510	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER
69	2602-0000520	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER A. See 'F' Sheets for Locations and Details.
70	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG, EC-604 A. See 'F' Sheets for Locations and Details.
71	2602-0010010	MOBILIZATIONS, EROSION CONTROL A. One mobilization will be paid for each stage of work (pre construciton, post construction, and seeding). The contractor shall mobilize with sufficient labor, equipment, and materials to perform the erosion/sediment control installation as identified on the drawings. Additional mobilizations must be approved by the engineer.

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CLEARING AND GRUBBING

NO.	STATION	OFFSET		Size	UNIT	REMARKS
Hwy 6 Trail						
1	100+76.90	10.60'	RT	6	1.6	
2	102+01.75	26.00'	RT	10	6.7	
3	102+26.28	15.20'	RT	8	3.9	
4	102+42.10	16.50'	RT	6	1.6	
5	102+43.72	31.15'	RT	8	3.9	
6	102+60.61	30.60'	RT	10	6.7	
7	102+65.25	47.09'	RT	14	9.4	
8	103+32.44	33.90'	RT	33	50	
9	103+61.29	25.30'	RT	27	29	
10	104+34.89	4.20'	RT	12	6.7	
11	104+74.11	11.75'	RT	12	6.7	
12	104+87.18	4.80'	RT	12	6.7	
13	105+00.97	10.70'	RT	7	3.9	
14	108+71.91	3.63'	RT	16	13.5	
15	108+93.97	2.63'	RT	16	13.5	
16	109+22.88	5.50'	RT	16	13.5	
17	109+70.13	7.40'	RT	8	3.9	
18	109+90.18	10.15'	RT	8	3.9	
19	110+08.43	7.60'	RT	8	3.9	
20	117+33.98	4.50'	RT	30	29	
21	117+78.79	0.40'	RT	24	22	
22	117+99.31	8.00'	RT	30	29	
23	118+37.45	2.90'	RT	24	22	
24	118+57.32	0.00'		24	22	
25	118+77.55	11.80'	RT	24	22	
26	119+81.21	1.85'	LT	4	1.6	
27	120+13.84	2.30'	RT	4	1.6	
28	120+27.19	4.30'	RT	8	3.9	
29	120+37.22	5.10'	RT	4	1.6	
30	121+57.48	15.65'	RT	30	17.6	
31	126+44.79	0.50'	LT	12	6.7	
32	126+58.98	1.40'	RT	12	6.7	
33	126+79.34	7.00'	RT	16	13.5	
34	127+15.10	2.95'	LT	18	13.5	
35	129+78.87	4.60'	RT	16	13.5	
36	133+24.87	32.30'	RT	20	22	
37	133+33.66	20.80'	RT	20	22	
38	133+74.89	25.85'	RT	24	22	
39	134+29.05	25.75'	RT	24	22	
40	137+06.22	20.35'	RT	40	80	
41	138+73.50	15.10'	RT	16	13.5	
42	141+09.02	12.85'	RT	6	1.6	
43	141+21.45	42.33'	RT	16	13.5	
44	141+42.78	12.45'	RT	4	1.6	
45	141.79.45	8.50'	RT	6	1.6	
46	142+00.66	6.50'	RT	8	3.9	
47	142+68.75	3.75'	LT	4	1.6	
48	143+43.43	9.70'	RT	6	1.6	
49	143+62.73	0.00'		8	3.9	
50	143+78.12	3.90'	RT	8	3.9	
51	143+88.68	27.50'	RT	8	3.9	
52	146+88.15	24.75'	RT			
TOTAL			**630**			

CLEARING AND GRUBBING

NO.	STATION TO STATION		AREA (SQ YDS)	REMARKS
Hwy 6 Trail				
1	105+25.14	106+05.84	259.16	
2	106+58.52	117+06.61	1915.52	
3	118+96.26	120+47.64	154.6	
4	122+64.46	123+09.08	92.54	
5	123+89.37	128+35.69	954.7	
6	135+22.46	141+34.40	880.79	
7	135+34.78	135+57.65	59.2	
8	145+32.15	146+69.06	361.38	
		TOTAL	**4678**	**SY**
		TOTAL	**0.97**	**ACRE**

REMOVAL OF PAVEMENT

NO.	STATION TO STATION		AREA (SQ YDS)	REMARKS
Hwy 6 Trail				
1	100+21.88	100+31.58	6	PCC
2	105+82.92	106+83.11	308	PCC
3	122+86.68	123+73.39	42	PCC
4	135+01.14	135+40.18	71	PCC
5	135+08.14	135+11.12	13	PCC
6	148+34.56	148+35.89	3	PCC
7	148+71.82	148+73.57	3	PCC

REMOVAL OF SIDEWALK

NO.	STATION TO STATION		SIDE	AREA (SQ YDS)	REMARKS
Hwy 6 Trail					
1	100+24.48	100+94.54	RT/LT	115	PCC
2	122+92.46	123+11.84	RT/LT	21	PCC
3	123+68.13	123+90.53	RT/LT	36	PCC
4	135+88.22	136+01.14	LT	11	PCC
5	148+17.81	148+35.32	RT/LT	38	PCC
6	148+84.69	148+88.69	RT	5	PCC
			TOTAL	**225**	

FIRE HYDRANT ASSEMBLY REMOVAL

NO.	STATION	OFFSET		REMARKS
S 1st Ave				
1	202+16.04	0.00'		
		TOTAL	**1**	

STD/S-F PCC PAV'T, CL M CL 3, 10"

NO.	STATION TO STATION		AREA (SQ YDS)	REMARKS
Hwy 6 Trail				
1	105+83.37	106+82.81	309	
2	122+86.68	123+10.14	22	
3	123+54.90	123+73.41	20	
4	135+08.82	135+37.19	34	
5	135+08.12	135+11.11	13	
6	148+33.82	148+35.89	3	
7	148+71.82	148+73.85	3	
TOTAL			**403**	

DETECTABLE WARNING, CAST IRON - BRICK RED

NO.	STATION	OFFSET		AREA (SF)	REMARKS
Hwy 6 Trail					
1	100+28.55	24.51'	LT	18	
2	106+11.54	0.00'		20	
3	106+54.94	0.00'		20	
4	122+99.43	0.00'		32	
5	123+69.70	0.00'		23	
6	123+84.30	10.19'	LT	16	
7	135+15.15	244.06'	LT	33	
8	135+24.19	48.07'	LT	20	
9	135+25.31	88.38'	LT	20	
10	135+25.81	106.09'	LT	20	
11	135+26.98	148.29'	LT	24	
12	135+92.09	520.97'	LT	11	
13	148+20.73	10.16'	LT	10	
14	148+32.99	0.00'		21	
TOTAL				**286**	

HOT MIX ASPHALT HIGH TRAFFIC, BASE COURSE, 1/2 IN. MIX

NO.	STATION TO STATION		AREA (SQ YDS)	REMARKS
Hwy 6 Trail				
1	100+21.88	100+31.63	5	
2	135+01.14	135+40.13	56	
		TOTAL	**62**	

STORM SEWER MAIN

LINE NO.	PIPE MATERIAL	DIAMETER (IN)	LENGTH (FT)	SLOPE (%)	FLOW LINES		STRUCTURE NO.	
					UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM
ST1.1	RCP	24	8	-3.50%			STMH1.1	EXSTMH1.1
ST1.2	RCP	24	114	-4.39%			STMH1.2	STMH1.1
ST1.3	RCP	24	117	-2.82%			STMH1.3	STMH1.2
ST1.4	RCP	24	140	-3.08%			STMH1.4	STMH1.3
ST1.5	RCP	24	59	-10.28%			STMH1.5	STMH1.4
ST1.6	RCP	24	78	-0.90%			FES1.6	STMH1.5
ST2.1	RCP	18	15	-2.00%	EX2.1			
ST3.1A	RCP	15	22	-13.18%			FES3.1A	STMH3.1
ST4.1A	RCP	12	7	-5.00%			STMH4.1A	EXSTMH4.1
ST5.1	RCP	24	42	-1.12%	EX5.1			STMH5.1
ST5.2	RCP	24	79	-1.50%			STMH5.1	FES5.2
ST6.1	RCP	15	16	-3.66%	EX6.1			FES6.1
ST7.1	RCP	24	26	-1.50%			FES7.1	FES7.2
ST8.1	RCP	24	74	-2.18%			FES8.1	STMH8.2
ST8.2A	RCP	15	22	-0.41%			INT8.2A	STMH8.2
ST8.2B	RCP	12	21	-10.40%			FES8.2B	INT8.2A
ST9.1	RCP	24	6					
ST9.2	RCP	24	10					
ST9.1A	RCP	15	28	-0.86%			INT9.1A	STMH9.1
ST10.1	RCP	18	15	-0.65%	EX10.1			FES10.1
	RCP 24"		**753**					
	RCP 18"		**30**					
	RCP 15"		**88**					
	RCP 12'		**28**					

FIRE HYDRANT ASSEMBLY, WM-201

NO.	STATION	OFFSET		FINISH GRADE	NOTES
S 1st Ave					
1	202+16.74	11.50'	RT	708.36'	
TOTAL		**1**			

SIDEWALK, PCC, 6"

NO.	STATION TO STATION		OFFSET		AREA (SY)	REMARKS
Hwy 6 Trail						
1	100+21.90	100+35.34	5.52'	RT	4	
2	100+32.61	100+35.70	16.82'	LT	2	
3	106+56.53	106+60.89	20.61'	RT	3	
4	123+05.12	123+09.37	16.41'	RT	6	
5	123+79.65	123+87.57	11.17'	RT	10	
6	135+20.19	135+92.36	249.17'	LT	162	
7	148+18.58	148+23.90	5.00'	RT	20	
8	148+84.75	148+88.67	5.00'	RT	7	
TOTAL					**213**	

SIDEWALK, PCC, 8"

NO.	STATION TO STATION		OFFSET		AREA (SY)	REMARKS
Hwy 6 Trail						
1	100+22+17	100+37.58	0.00'		36	
2	106+03.54	106+15.50	0.00'		14	
3	106+53.05	106+64.95	0.00'		21	
4	122+93.32	123+10.51	0.00'		21	
5	123+68.95	123+87.85	0.00'		34	
6	134+93.66	135+53.02	0.00'		146	
7	135+19.86	135+30.79	88.65'	LT	25	
8	135+22.08	135+31.77	144.73'	LT	27	
9	135+14.86	135+24.78	220.28'	LT	36	
10	135+92.36	136+01.13	513.60'	LT	12	
11	148+18.58	148+35.24	0.00'		24	
TOTAL					**396**	

SUBDRAIN, PLASTIC PIPE, 6"

NO.	STATION TO STATION		OFFSET		LENGTH (LF)	REMARKS
Hwy 6 Trail						
1	101+14.77	101+17.77			18	
2	111+26.20	111+26.47			16	
3	147+45.51	147+51.29	20.00'	LT	18	
				TOTAL	**52**	

APRONS, CONCRETE

NO.	TYPE	STATION	OFFSET		OUTLET INVERT ELEVATION	REMARKS
1	24" RCP FES	106+74.00	15.65'	RT	706.10'	
2	15" RCP FES	120+08.35	7.46'	RT	732.40'	
3	24" RCP FES	125+40.40	13.43'	LT	720.91'	
4	15" RCP FES	125+84.71	15.91'	LT	720.10'	
5	24" RCP FES	135+11.72	28.84'	LT	703.29'	
6	24" RCP FES	135+37.47	26.85'	LT	702.90'	
7	24" RCP FES	147+54.96	12.29'	LT	693.65'	
8	12" RCP FES	148+06.14	23.68	RT	694.70'	
9	18" RCP FES	201+73.73	21.09'	RT	704.31'	
APRON TYPES		12" RCP FES	1			
		15" RCP FES	2			
		18" RCP FES	1			
		24" RCP FES	5			

VALVE, GATE, DIP, 8 IN.

NO.	STATION	OFFSET		FINISH GRADE	NOTES
S 1st Ave					
1	202+22.03	15.23'	RT	707.88'	
TOTAL	**1**				

VALVE REMOVAL, 8 IN.

NO.	STATION	OFFSET		NOTES
S 1st Ave				
1	202+20.04	3.63'	RT	
TOTAL	**1**			

PAVEMENT MARKING LINE TYPES & SYMBOLS

See Locations on O-Sheets

CBW6: Crosswalk Bar (White) @ 10.00	SLSW: Shared Lane Symbol (White)		
SLW2: Stop Line (White) @ 4.00			
ELW6: Edge Line Right (White) @ 1.00			

Location								Length by Line Type (Unfactored)				
Road ID	Station to Station		Length (STA)	Dir. of Travel	Side			CBW6	SLW2	ELW6	SLSW	Remarks
					L	C	R	STA	STA	STA	EACH	
Hwy 6 Trail	100+27.75	100+27.75	0.25	E/W	X			0.25				
Hwy 6 Trail	105+83.36	106+02.69	0.2	E	X					0.2		
Hwy 6 Trail	106+65.05	106+82.87	0.2	E	X					0.2		
Taylor Dr	106+18.50	106+50.50	0.36	N/S		X		0.36				
Taylor Dr	106+37.17	106+51.17	0.14	N			X		0.14			
Sycamore St	123+09.60	123+65.60	0.60	N/S		X		0.60				
Sycamore St	123+36.95	123+65.95	0.29	N			X		0.29			
Hwy 6 Trail	200+52.09	200+84.09	0.36	E/W		X		0.36				
Hwy 6 Trail	201+11.39	201+43.39	0.36	E/W		X		0.36				
Hwy 6 Trail	201+08.60	201+43.68	0.35	W			X		0.35			
1st Avenue	201+99.12	202+04.31		N	X						1.00	
Fairmeadows Blvd	148+37.25	148+73.25	0.40	N/S		X		0.40				
LENGTH OR SYMBOL SUBTOTAL								2.33	0.78	0.40	1.00	
QUANTITY FACTORS								10.00	4.00	1.00		
TOTAL								23.30	3.12	0.40	1.00	
TOTAL (STA)								26.8				
SYMBOL TOTAL								1.00				

INSTALL TYPE A SIGN

SIGN NO.	STATION	OFFSET		DIR OF TRAVEL	LEGEND	R1-1	R3-5hP	POSTS			REMARKS
								NO. OF POSTS	LENGTH (FT)	ANCHOR	
Hwy 6 Trail											
1	106+09.10	7.99'	RT	EB		1		1	12	GROUND	SHARED USED PATH STOP SIGN
2	106+62.04	7.99'	RT	WB		1		1	12	GROUND	SHARED USED PATH STOP SIGN
S 1st Ave											
3	202+17.29	5.97'	LT	NB			1				INSTALL ON EXISTING POST
SIGN TOTAL						2	1		24		
SQUARE FT/SIGN						2.25	2.50				
SIGN SUBTOTAL						4.50	2.50				
TOTAL SIGN QTY (SF)						**7.00**					
TOTAL POST LENGTH (LF)						**24.0**					

STORM SEWER STRUCTURES

NO.	TYPE	STATION	OFFSET		FORM GRADE	RIM ELEVATION	FLOW LINE(S) IN	FLOW LINE OUT	REMARKS
1	SW-401 (48")	101+70.53	20.18'	RT		689.60'	ST1.2 (683.80)	ST1.1 (683.60)	
2	SW-401 (48")	102+83.33	22.24'	RT		693.48'	ST1.3 (689.00)	ST1.2 (688.80)	
3	SW-401 (48")	104+00.00	21.00'	RT		697.68'	ST1.4 (692.50)	ST1.3 (692.30)	
4	SW-401 (48")	105+38.20	17.00'	RT		701.84'	ST1.5 (697.00)	ST1.4 (696.80)	
5	SW-401 (48")	105+96.50	18.07'	RT		709.24'	ST1.6 (705.40)	ST1.5 (703.00)	
6	SW-401 (48")	120+10.44	14.44'	LT		733.53'	ST3.1A (729.50), EX3.1 (728.80)	EX3.2 (728.70)	
7	SW-512	122+80.61	10.00'	RT		730.52'		ST4.1A (726.90)	
8	SW-401 (48")	124+64.82	16.65'	RT		726.95'	ST5.1 (723.23)	ST5.2 (722.09)	
9	SW-401 (60")	148+29.44	11.29'	RT		695.73'	ST8.1 (692.03), ST8.2A (692.01)	EX8.2 (692.02)	
10	SW-508	148+33.58	33.54'	RT	694.21'		ST8.2B (692.55)	ST8.2A (692.10)	
11	SW-401 (60")	148+79.71	7.86'	RT		695.54'	ST9.1 (691.78), ST9.1A (692.14)	ST9.2 (691.76)	
12	SW-508	148+73.52	35.44'	RT	694.41'		EX9.1 (692.63)	ST9.1A (692.38)	
STRUCTURE TYPE TOTAL		SW-401 (48")	7						
		SW-401 (60")	2						
		SW-508	2						
		SW-512	1						

REMOVE AND REINSTALL SIGN AS PER PLAN

SIGN NO.	STATION	OFFSET		DIR OF TRAVEL	Sign Description	REMARKS
Hwy 6 Trail						
1	106+58.57	4.85'	RT	NB	R1-1, R6-3, R6-1, D3-1, 1a	REINSTALL SIGN, TAYLOR DR
SIGN TOTAL					1	

REMOVAL OF SIGN

SIGN NO.	STATION	OFFSET		DIR OF TRAVEL	Sign Description	REMARKS
S 1st Ave						
1	202+17.29	5.97'	LT	NB	R7-1	
SIGN TOTAL					1	

RECREATIONAL TRAIL, PCC, 6"

NO.	STATION TO STATION		OFFSET		AREA (SY)	REMARKS
Hwy 6 Trail						
1	100+37.58	106+03.54	0.00'		729	
2	106+64.94	122+93.32	0.00'		1812	
3	123+87.85	134+93.67	0.00'		1229	
4	135+19.97	135+25.90	172.00'	LT	55	
5	135+53.03	148+18.59	0.00'		1406	
TOTAL					**5231**	

OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602

NO.	STATION		OFFSET		Length (LF)	REMARKS
Hwy 6 Trail						
1	123+09.76	123+13.74	6.16'	RT	11	
2	123+66.82	123+65.98	5.48'	RT	10	
3	135+66.48	135+69.80	480.11'	LT	14	S 1st Ave
4	148+33.14	148+33.96	40.27'	RT	15	
5	148+73.70	148+74.37	40.85'	RT	15	
				TOTAL	**65**	

GRATE INTAKE SEDIMENT FILTER BAG, EC-604

NO.	STATION		OFFSET		REMARKS
Hwy 6 Trail					
1	101+67.42	101+73.49	20.18	RT	
2	101+63.75	101+70.90	27.30'	RT	
3	102+79.68	102+86.39	22.24'	RT	
4	103+96.91	104+03.10	21.00'	RT	
5	105+35.14	105+41.27	17.00'	RT	
6	120+07.69	119+13.68	14.50'	LT	
7	122+77.95	122+83.72	9.94'	RT	
TOTAL					**7**

PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE, 12 IN. DIA.

NO.	STATION TO STATION		OFFSET		LENGTH (LF)	REMARKS
Hwy 6 Trail						
1	101+81.25	105+49.12	11.93'	RT	124	
2	105+83.33	106+12.41	6.00'	LT	33.3	
3	106+15.88	106+16.01	6.05'	RT	23.0	
4	106+52.74	106+52.86	5.97'	RT	22.5	
5	106+56.08	106+83.12	6.04'	LT	32.0	
6	106+73.85	106+74.22	12.22'	RT	10.0	
7	107+07.01	112+63.41	10.52'	RT	162	
8	112+52.23	122+90.84	10.00'	LT	1038.0	
9	120+06.04	120+10.41	11.30'	RT	10	
10	125+75.07	125+77.86	20.22'	LT	11.0	
11	125+81.84	125+88.58	20.96'	LT	10	
12	123+92.29	125+82.31	8.00'	LT	189	
13	126+00.96	135+16.25	21.46'	LT	954	
14	128+69.75	128+80.40	39.68'	LT	16.0	
15	135+10.82	135+11.22	25.26'	LT	12	
16	135+28.55	135+43.70	165.50'	LT	92.0	
17	135+47.54	135+47.83	172.56'	LT	11	
18	135+16.23	135+88.32	262.92'	LT	283.0	
19	135+32.18	148+18.35	8.00'	LT	1328	
20	135+38.14	135+38.53	23.22'	LT	11.0	
21	135+78.55	135+84.93	14.19'	LT	9.0	
22	141+73.74	141+8177	28.58'	LT	15.0	
23	147+21.74	147+25.73	21.20'	LT	13	
24	147+91.20	147+97.65	20.94'	RT	9.4	
25	148+23.30	148+33.53	8.00'	LT	10.0	
26	148+33.14	148+33.47	28.26'	RT	14.0	
27	148+73.70	148+74.37	29.57'	RT	15.0	
28	148+93.64	149+15.86	10.00'	RT	23.0	
TOTAL					**4480**	

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PAVEMENT MARKING LINE TYPES & SYMBOLS (REMOVALS)

See Locations on R Sheets

CBW6: Crosswalk Bar (White) @ 10.00
SLW2: Stop Line (White) @ 4.00
CLW6: Crosswalk Line (White) @ 2.00

Location								Length by Line Type (Unfactored)			
Road ID	Station to Station		Length (STA)	Dir. of Travel	Side			CBW6	SLW2	CLW6	Remarks
					L	C	R	STA	STA	STA	
Hwy 6	100+28.84	100+28.84	0.36	E				0.36			
Sycamore St	123+08.31	123+68.16	0.55	N/S				0.55			
Sycamore St	123+08.32	123+68.17	0.55	N/S						0.55	
Sycamore St	123+43.36	123+65.87	0.28	N					0.28		
Hwy 6	135+27.69	135+27.69	0.36	W					0.36		
Fairmeadows Blvd	148+36.54	148+75.32	0.40	N/S				0.40			
LENGTH OR SYMBOL SUBTOTAL								1.31	0.64	0.55	
QUANTITY FACTORS								10.00	4.00	2.00	
TOTAL								13.10	2.56	1.10	
TOTAL (STA)								16.8			

WATER MAIN, TRENCHED, DIP, 8"

NO.	MATERIAL	SIZE (IN)	LENGTH (LF)	BEGIN STATION	END STATION	BEGIN OFFSET		END OFFSET		NOTES
S 1st Ave										
1	DIP	8	20	202+20.64	202+21.82	2.18'	LT	17.09'	RT	
		TOTAL	**20**							

MANHOLE ADJUSTMENT, MAJOR

NO.	STATION	OFFSET		EXISTING ELEVATION	PROPOSED ELEVATION	REMARKS
Hwy 6 Trail						
1	122+81.67	3.32'	RT	730.26'	731.44'	
	TOTAL		**1**			

RMVL OF INTAKE+UTILITY ACCESS

NO.	STATION	OFFSET		TYPE	REMARKS
Hwy 6 Trail					
1	124+28.85	16.96'	RT	24" FES	
2	125+83.75	0.46'	RT	15" FES	
3	148+31.78	33.46'	RT	INTAKE	
4	148+75.39	35.53'	RT	INTAKE	
S 1st Ave					
5	201+75.51	6.20'	RT	18" FES	
	TOTAL		**5**		

VALVE BOX ADJ, MINOR

NO.	STATION	OFFSET		EXISTING GRADE	FINISH GRADE	NOTES
S 1st Ave						
1	202+20.54	2.12'	LT	709.10'	709.16'	
	TOTAL	**1**				

SEEDING AND FERTILIZING (RURAL)

NO.	STATION TO STATION		SIDE	AREA (ACRE)	REMARKS
Hwy 6 Trail					
1	100+22.15	106+13.32	LT	0.15	
2	100+30.94	106+16.38	RT	0.35	
3	106+55.44	122+94.59	LT	0.42	
4	106+52.24	123+09.61	RT	0.53	
5	119+08.64	120+46.72	RT	0.02	CLEARING AND GRUBBING AREA
6	122+64.56	123+08.88	RT	0.02	CLEARING AND GRUBBING AREA
7	123+73.75	135+19.25	LT	0.34	
8	123+66.95	148+35.23	RT	0.71	
9	123+89.27	128+35.64	RT	0.16	CLEARING AND GRUBBING AREA
10	135+21.50	141+36.48	RT	0.21	CLEARING AND GRUBBING AREA
11	135+29.24	148+34.68	LT	0.28	
12	145+31.21	146+70.39	RT	0.07	CLEARING AND GRUBBING AREA
13	148+75.74	149+02.80	RT	0.01	
S 1st Ave					
14	201+51.79	205+54.37	LT	0.05	
15	201+44.90	205+53.18	RT	0.07	
			TOTAL	**3.40**	ACRE

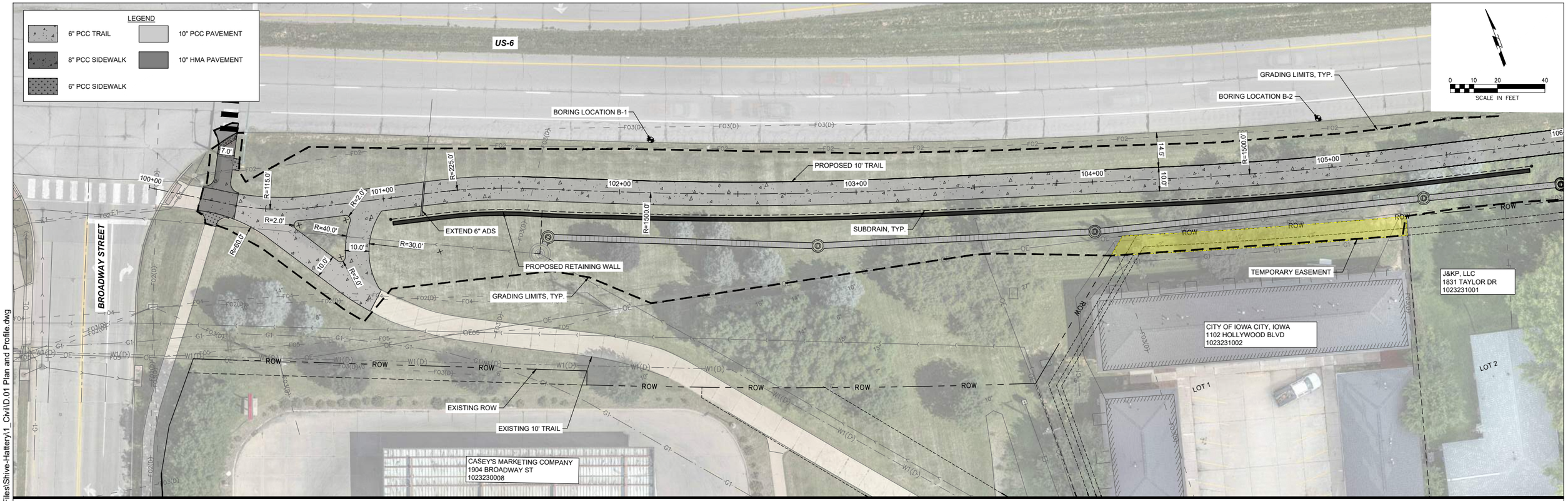
REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.

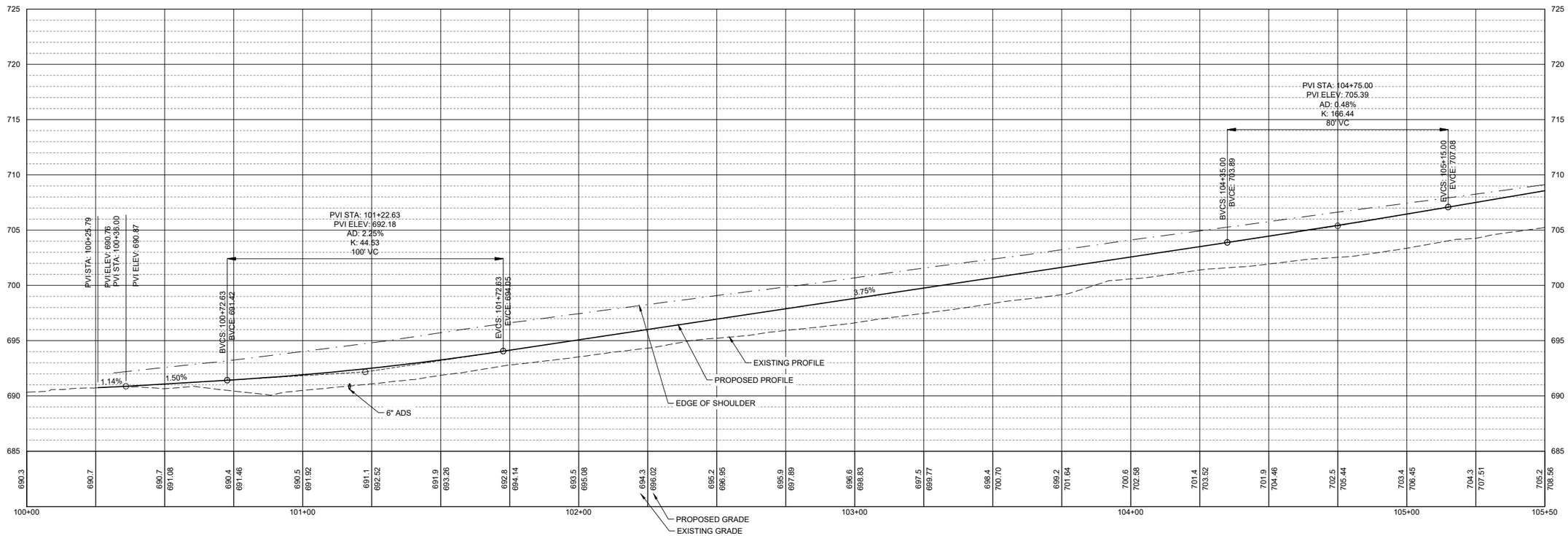
NO.	STATION TO STATION		OFFSET	SIDE	SIZE	LENGTH (LF)
Hwy 6 Trail						
1	105+91.62	106+64.16	19.62'	RT	15"	73
2	107+19.26	107+19.27	1.26'	LT	18"	5
3	120+02.71	120+18.17	14.98'	LT	24"	16
4	124+18.74	124+28.85	16.00'	RT	24"	5
5	125+83.75	125+84.01	4.53'	LT	15"	5
6	148+17.28	148+29.44	11.88'	RT	24"	12
7	148+29.44	148+31.78	33.46'	RT	12"	22
8	148+73.72	148+89.69	8.27'	RT	24"	16
9	148+75.39	148+77.84	35.53'	RT	12"	28
S 1st Ave						
10	201+75.51	201+75.51	6.20'	RT	18"	5
					TOTAL	**187**

FITTINGS BY WEIGHT, DI

NO.	STATION	OFFSET		TYPE	WEIGHT (LB.)
F1	202+20.38	0.13	LT	8" 45° BEND	49
F2	202+23.21	3.13	RT	8" 45° BEND	49
F4	202+21.82	17.09	RT	8" X 6" REDUCER	32
				TOTAL	**130**

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Plan and Profile	SHEET NUMBER D.01

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LEGEND

- 6" PCC TRAIL
- 8" PCC SIDEWALK
- 6" PCC SIDEWALK
- 10" PCC PAVEMENT
- 10" HMA PAVEMENT

0 10 20 40
SCALE IN FEET

US-6

INSTALL STOP SIGNS, SEE O-SHEETS

BORING LOCATION B-3

BORING LOCATION B-4

105+00 106+00 107+00 108+00 109+00 110+00 111+00

ROW

J&KP, LLC
1831 TAYLOR DR
1023231001

TAYLOR DRIVE

PROPOSED STORM SEWER

EXTEND 18" RCP

PROPOSED RETAINING WALL

R=1000.0'

16.6'

10.0'

R=1500.0'

EXISTING ROW

GRADING LIMITS, TYP.

PROPOSED 10' TRAIL

SUBDRAIN, TYP.

EXTEND 6" ADS

LOT 2

LOT 3

BETTINE ALLISON & SAMALA VICTORIA S
1204 HOLLYWOOD BLVD
1023232005

WYLLIE BONNIE E
1212 HOLLYWOOD BLVD
1023232004

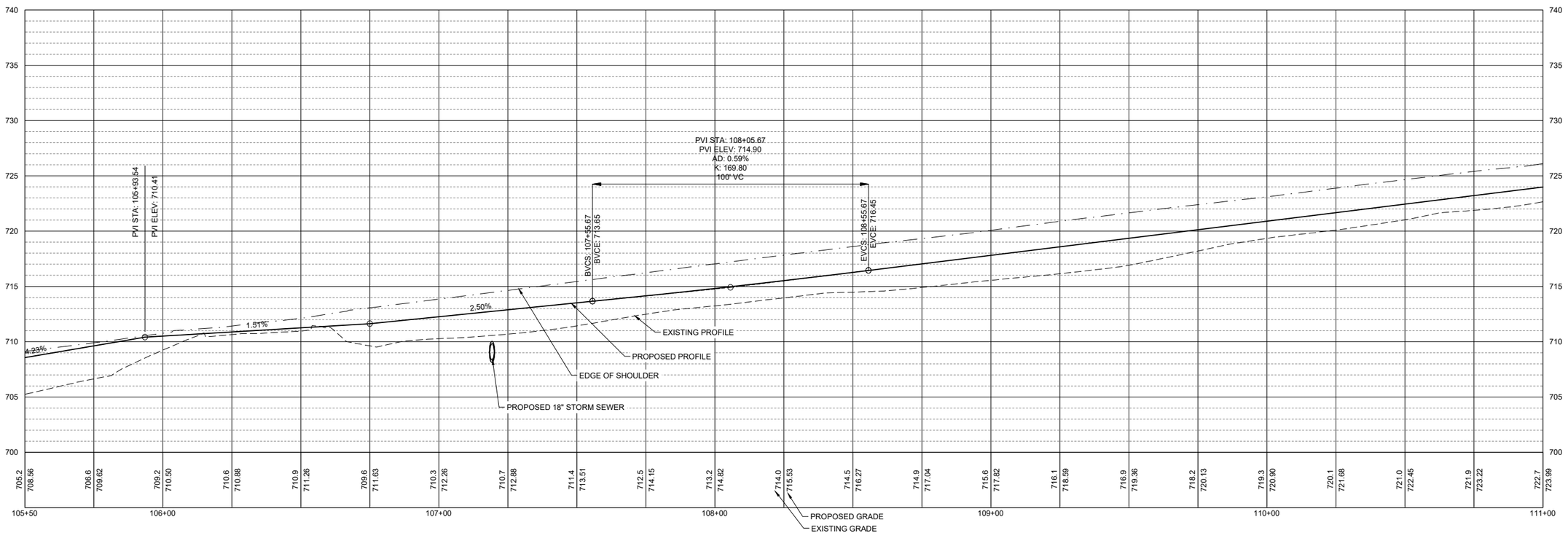
CITY OF IOWA CITY
1218 HOLLYWOOD BLVD
1023232003

MASON JAMES D & JORJA J
1230 HOLLYWOOD BLVD
1023232002

KOEPP GERALD A & RUTH F
1306 HOLLYWOOD BLVD
1023232001

FARWELL WILLIAM J & JEANETTE E
1314 HOLLYWOOD BLVD
1023203017

LEONARD OLIGAR M GUERRA
1320 HOLLYWOOD BLVD
1023203016



S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Plan and Profile	SHEET NUMBER D.02

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LEGEND

6" PCC TRAIL
8" PCC SIDEWALK
6" PCC SIDEWALK
10" PCC PAVEMENT
10" HMA PAVEMENT

0 10 20 40
SCALE IN FEET

US-6

BORING LOCATION B-5

111+00 112+00 113+00 114+00 115+00 116+00

22.5'

10.0'

R=500.0'

R=500.0'

R=500.0'

SUBDRAIN, TYP.

EXTEND 6" ADS

PROPOSED RETAINING WALL

EXISTING ROW

GRADING LIMITS, TYP.

GRADING LIMITS, TYP.

PROPOSED 10' TRAIL

ROW F02 F03 OE

FARWELL WILLIAM J & JEANETTE E
1314 HOLLYWOOD BLVD
1023203017
LOT 8

LEONARD OLIGAR M GUERRA
1320 HOLLYWOOD BLVD
1023203016
LOT 9

MULLINK JAMES A
1328 HOLLYWOOD BLVD
1023203015
LOT 10

SUCCESSFUL LIVING SUPPORTIVE HOUSING PROGRAM
1340 HOLLYWOOD BLVD
1023203014
LOT 11

DELGADO JAVIER E LOZADA
1404 HOLLYWOOD BLVD
1023203013
LOT 12

ABALOS FRANK S
1414 HOLLYWOOD BLVD
1023203012
LOT 13

PAZ JOSE OMAR & LEAL EVELIA PAZ
1430 HOLLYWOOD BLVD
1023203011
LOT 14

GARCIA-SANCHEZ ADOLFO & GARCIA MARIA D
1502 HOLLYWOOD BLVD
1023203010
LOT 15

CULPITT DYLAN T
1510 HOLLYWOOD BLVD
1023203009
LOT 16

755 750 745 740 735 730 725 720 715

PVI STA: 114+50.04
PVI ELEV: 734.81
AD: -1.84%
K: 108.76
200' VC

BVCS: 113+50.04
BVCE: 731.72

EVCS: 115+50.04
EVCE: 736.06

3.09%

1.25%

EXISTING PROFILE

PROPOSED PROFILE

EDGE OF SHOULDER

6" ADS

PROPOSED GRADE

EXISTING GRADE

722.7	723.5	724.1	724.5	724.9	725.2	726.0	727.0	727.9	729.0	729.7	730.1	730.6	731.4	731.9	732.6	733.4	734.0	734.4	734.7	734.9	735.1	735.5
723.99	724.77	725.54	726.31	727.08	727.85	728.63	729.40	730.17	730.94	731.72	732.46	733.15	733.77	734.34	734.86	735.31	735.71	736.06	736.37	736.68	736.99	737.31

111+00 112+00 113+00 114+00 115+00 116+00 116+50

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Plan and Profile	SHEET NUMBER D.03

LEGEND

- 6" PCC TRAIL
- 8" PCC SIDEWALK
- 6" PCC SIDEWALK
- 10" PCC PAVEMENT
- 10" HMA PAVEMENT

US-6

0 10 20 40
SCALE IN FEET

GRADING LIMITS, TYP.
BORING LOCATION B-6
PROPOSED 10' TRAIL
PROPOSED STORM SEWER
GRADING LIMITS, TYP.
EXISTING ROW
35.2'
10.0'
R=500.0'
R=800.0'
R=400.0'
116+00
117+00
118+00
119+00
120+00
121+00
122+00

CULPITT DYLAN T
1510 HOLLYWOOD BLVD
1023203009
LOT 16

JACK G BRASE REVOCABLE LIVING TRUST
1518 HOLLYWOOD BLVD
1023203008
LOT 17

TAUBER TRAVIS J
1532 HOLLYWOOD BLVD
1023203007
LOT 18

CALDWELL JEFFREY S
1606 HOLLYWOOD BLVD
1023203006
LOT 19

WENDLER CHARLES R & CHRISTINE M
1616 HOLLYWOOD BLVD
1023203005
LOT 20

CONTRERAS ANGELA KAYE DIAZ
1628 HOLLYWOOD BLVD
1023203004
LOT 21

TACK BRIAN R
1634 HOLLYWOOD BLVD
1023203003
LOT 22

RESKE NEIL T & JANET L
1640 HOLLYWOOD BLVD
1023203002
LOT 23

RESKE NEIL T & JANET L
HOLLYWOOD BLVD
1023203001

HP STA: 117+53.82
HP ELEV: 738.39
PVI STA: 117+69.59
PVI ELEV: 738.80
AD: -3.65%
K: 27.38
100' VC
BVCS: 117+19.59
BVCE: 738.17
EVCS: 118+19.59
EVCE: 737.60

LP STA: 119+90.77
LP ELEV: 734.28
PVI STA: 119+75.00
PVI ELEV: 733.87
AD: 3.65%
K: 27.38
100' VC
BVCS: 119+25.00
BVCE: 735.07
EVCS: 120+25.00
EVCE: 734.49

HP STA: 121+29.85
HP ELEV: 735.64
PVI STA: 121+54.17
PVI ELEV: 736.11
AD: -4.87%
K: 20.54
100' VC
BVCS: 121+04.17
BVCE: 735.48

-2.40%
1.25%

EXISTING PROFILE
PROPOSED PROFILE
EDGE OF SHOULDER
PROPOSED 15" STORM SEWER
PROPOSED GRADE
EXISTING GRADE

760 755 750 745 740 735 730 725 720

735.5	735.3	735.2	735.3	735.5	735.1	734.7	734.4	734.0	733.9	733.3	732.7	732.3	732.1	732.3	733.0	734.2	734.9	735.2	734.8	734.5	734.2	733.9
737.31	737.62	737.93	738.24	738.39	738.31	738.00	737.47	736.87	736.27	735.67	735.07	734.58	734.32	734.29	734.49	734.80	735.12	735.43	735.64	735.54	735.15	734.44

116+50 117+00 118+00 119+00 120+00 121+00 122+00

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Plan and Profile	SHEET NUMBER D.04

LEGEND

- 6" PCC TRAIL
- 8" PCC SIDEWALK
- 6" PCC SIDEWALK
- 10" PCC PAVEMENT
- 10" HMA PAVEMENT

SCALE IN FEET: 0 10 20 40

US-6

PEDESTRIAN CROSSWALK SIGNALS AND PUSH-BUTTONS, SEE N-SHEETS

RELOCATE HANDHOLES

GRADING LIMITS, TYP.

R=400.0'

122+00

123+00

124+00

R=200.0'

125+00

PROPOSED STORM SEWER

18 TON EROSION STONE

45.9'

126+00

127+00

10.0'

BORING LOCATION B-7

MAJOR MANHOLE ADJUSTMENT

VERIFY RECONNECTION OF NEW PIPE WITH GASKET OR FERNCO CONNECTION BASED ON PIPE CONDITION

SYCAMORE STREET

GRADING LIMITS, TYP.

R=200.0'

VERIFY RECONNECTION OF NEW PIPE WITH GASKET OR FERNCO CONNECTION BASED ON PIPE CONDITION

PROPOSED 10' TRAIL

ROW

EXISTING ROW

RESKE NEIL T & JANET L
1640 HOLLYWOOD BLVD
1023203002

RESKE NEIL T & JANET L
HOLLYWOOD BLVD
1023203001

LOT 23

LOT 24

ALSHABEEB, HUSSEIN
1846 HOLLYWOOD CT
1023126024

EXISTING ROW

CRESS JOHN A & KAYLA K
1840 HOLLYWOOD CT
1023126022

BORGSTAHL BENJAMIN D
1834 HOLLYWOOD CT
1023126020

HP STA: 121+29.85
HP ELEV: 735.64
PVI STA: 121+54.17
PVI ELEV: 736.11
AD: -4.87%
K: 20.54
100' VC

EVCS: 122+04.17
EVCE: 734.30

PVI STA: 122+83.32
PVI ELEV: 731.43

PVI STA: 123+88.10
PVI ELEV: 729.93

PVI STA: 125+25.00
PVI ELEV: 723.77
AD: 2.50%
K: 40.00
100' VC

BVCS: 124+75.00
BVCE: 726.02

EVCS: 125+75.80
EVCE: 722.77

-3.62%

-1.43%

-4.50%

PROPOSED PROFILE

EXISTING PROFILE

EDGE OF SHOULDER

PROPOSED 24" STORM SEWER

PROPOSED 15" STORM SEWER

PROPOSED GRADE

EXISTING GRADE

122+00	123+00	124+00	125+00	126+00	127+00	127+50
733.9 / 734.44	733.3 / 733.54	732.8 / 732.64	731.2 / 731.73	730.7 / 731.19	730.4 / 730.84	730.2 / 730.48
730.2 / 730.12	728.7 / 729.40	727.8 / 728.27	725.2 / 727.15	722.9 / 726.02	721.7 / 724.98	721.2 / 724.08
722.2 / 723.35	722.3 / 722.77	722.9 / 722.27	722.5 / 721.77	721.5 / 721.27	720.6 / 720.77	719.6 / 720.27
718.8 / 719.77	718.2 / 719.27					

S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Plan and Profile	SHEET NUMBER D.05

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LEGEND

- 6" PCC TRAIL
- 8" PCC SIDEWALK
- 6" PCC SIDEWALK
- 10" PCC PAVEMENT
- 10" HMA PAVEMENT

0 10 20 40
SCALE IN FEET

US-6

BORING LOCATION B-7

127+00 128+00 129+00 130+00 131+00 132+00 133+00

R=600.0'

52.3'

10.0'

R=1976.8'

GRADING LIMITS, TYP.

GRADING LIMITS, TYP.

PROPOSED 10' TRAIL

EXISTING ROW

EXISTING ROW

GOODFELLOW BRADLEY
DEAN & MARY
1826 HOLLYWOOD CT
1023126018

LOT 172

1ST JMP

PVI STA: 131+00.14
PVI ELEV: 712.27
AD: 0.80%
K: 124.35
100' VC

-2.00%

BVCS: 130+50.14
BVCE: 713.27

EVCS: 131+50.14
EVCE: 711.67

EXISTING PROFILE

PROPOSED PROFILE

EDGE OF SHOULDER

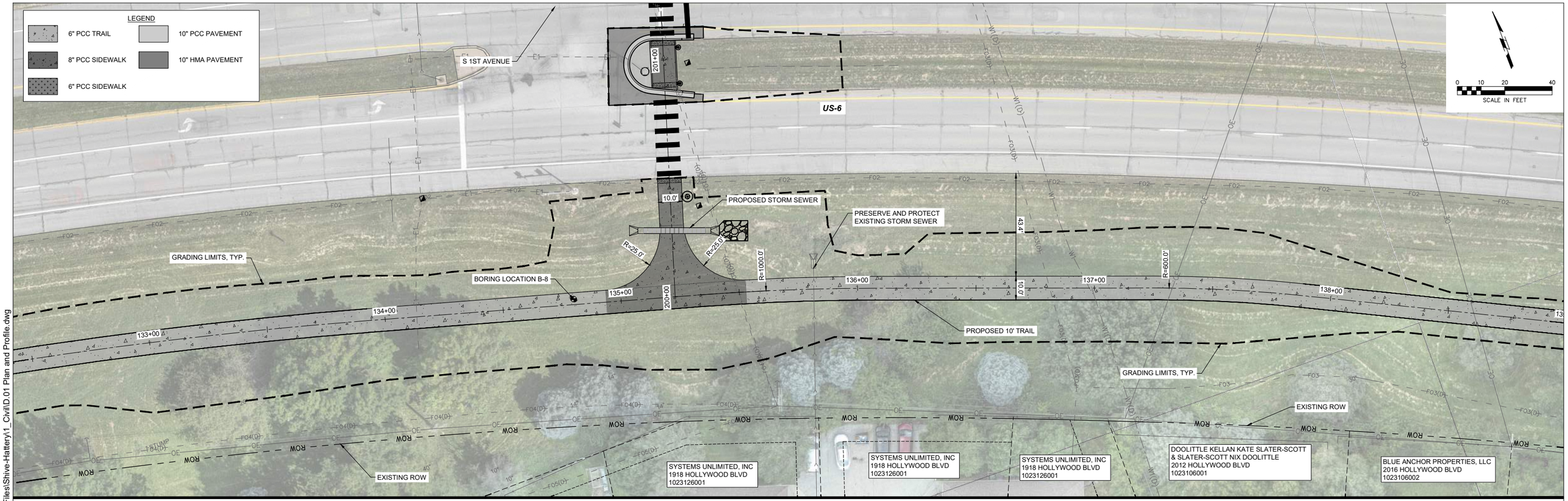
PROPOSED GRADE

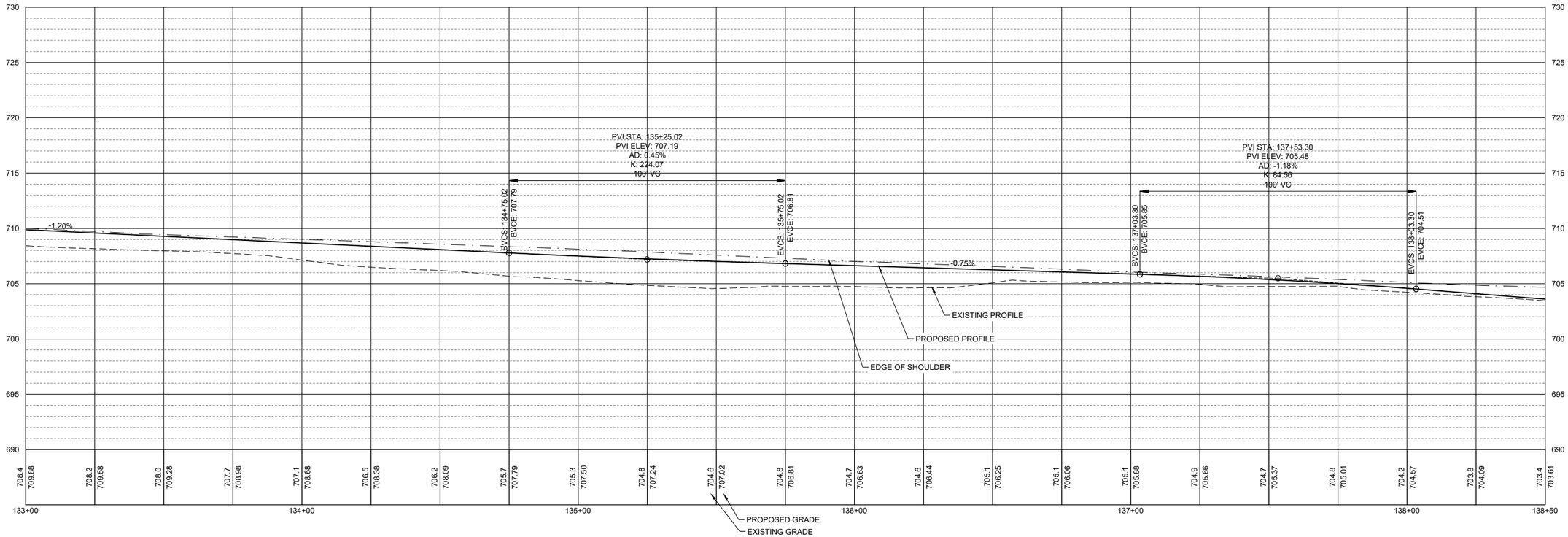
EXISTING GRADE

127+50	128+00	129+00	130+00	131+00	132+00	133+00
718.2 / 719.27	717.8 / 718.77	717.5 / 718.27	717.0 / 717.77	716.7 / 717.27	715.9 / 716.77	715.3 / 716.27
714.6 / 715.77	714.4 / 715.27	713.8 / 714.77	713.5 / 714.27	713.1 / 713.77	712.7 / 713.27	712.3 / 712.80
711.8 / 712.37	711.3 / 712.00	710.9 / 711.67	710.4 / 711.37	710.0 / 711.08	709.7 / 710.78	709.2 / 710.48
708.8 / 710.18	708.4 / 709.88					

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Plan and Profile	SHEET NUMBER D.06





S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Plan and Profile	SHEET NUMBER D.07

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LEGEND

- 6" PCC TRAIL
- 8" PCC SIDEWALK
- 6" PCC SIDEWALK
- 10" PCC PAVEMENT
- 10" HMA PAVEMENT

0 10 20 40
SCALE IN FEET

US-6

GRADING LIMITS, TYP.

138+00 139+00 140+00 141+00 142+00 143+00 144+00

R=500.0'

38.9'

10.0'

PROPOSED 10' TRAIL

BORING LOCATION B-9

GRADING LIMITS, TYP.

R=600.0'

EXISTING ROW

LUNDQUIST, ANDREW RUSSELL II & LUNDQUIST, GIZZT D
2016 HOLLYWOOD BLVD
1023106002

SCHWEITZER JAMISON & DEANNE
2014 HOLLYWOOD BLVD
1023106003

DUNDON KYLE D
2020 HOLLYWOOD BLVD
1023106004

FOSMARK RYAN T & ELIZABETH M
2100 HOLLYWOOD BLVD
1023106005

SCHARF HARLAN P & TERESA A
2104 HOLLYWOOD BLVD
1023106006

ESTEP MISTY M
2108 HOLLYWOOD BLVD
1023106007

MCROBERTS SEAN CD & COLLEEN SD
2110 HOLLYWOOD BLVD
1023106008

MOHAMED HANAA Y
2112 HOLLYWOOD BLVD
1023106009

KEYSER JAYMES K
2116 HOLLYWOOD BLVD
1023106010

PVI STA: 139+57.19
PVI ELEV: 701.54
AD: 0.96%
K: 83.45
80' VC

BVCS: 139+17.19
BVCE: 702.31

EVCS: 139+97.19
EVCE: 701.15

-1.93%

-0.97%

LP STA: 141+31.47
LP ELEV: 700.12
PVI STA: 141+24.98
PVI ELEV: 699.90
AD: -1.72%
K: 58.02
100' VC

BVCS: 140+74.98
BVCE: 700.39

EVCS: 141+74.98
EVCE: 700.28

EXISTING PROFILE
PROPOSED PROFILE
EDGE OF SHOULDER

0.75%

HP STA: 143+90.34
HP ELEV: 701.78
PVI STA: 144+00.13
PVI ELEV: 701.97
AD: -1.99%
K: 40.29
80' VC

BVCS: 143+60.13
BVCE: 701.67

725 720 715 710 705 700 695 690 685

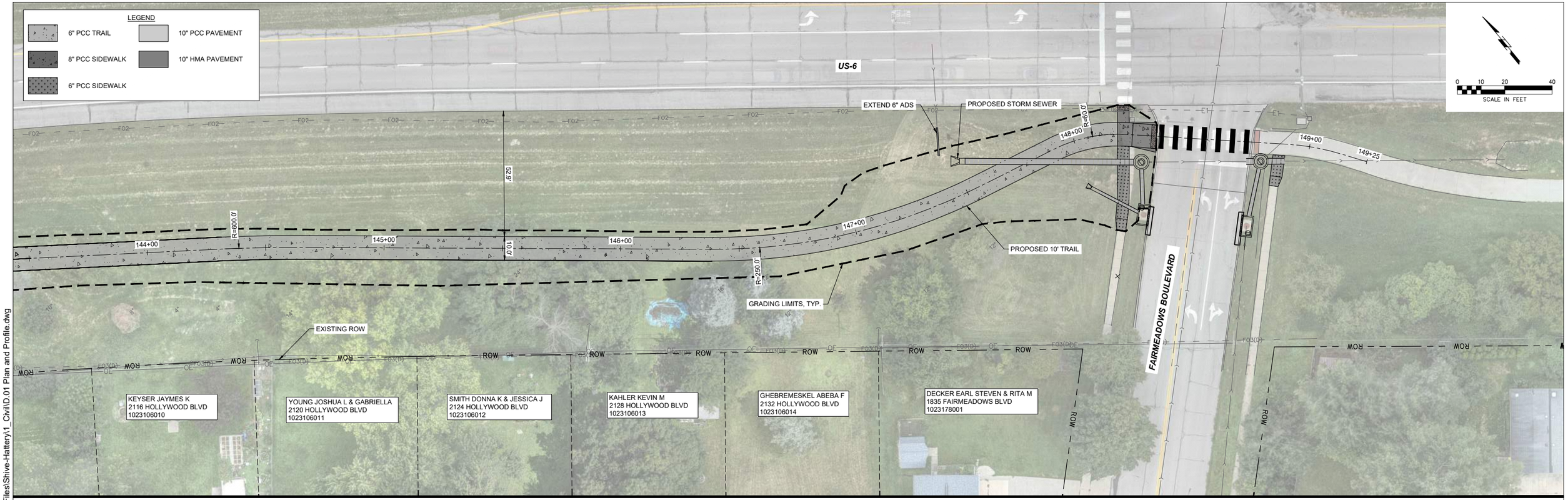
703.4 703.61 702.8 703.13 702.2 702.64 701.8 702.16 701.4 701.74 701.2 701.39 701.0 701.12 701.0 700.88 700.8 700.63 700.7 700.39 700.7 700.20 700.5 700.12 700.4 700.15 700.4 700.28 700.6 700.47 700.8 700.65 701.1 700.84 701.2 701.03 701.5 701.22 701.3 701.40 701.2 701.59 701.4 701.75 701.6 701.77

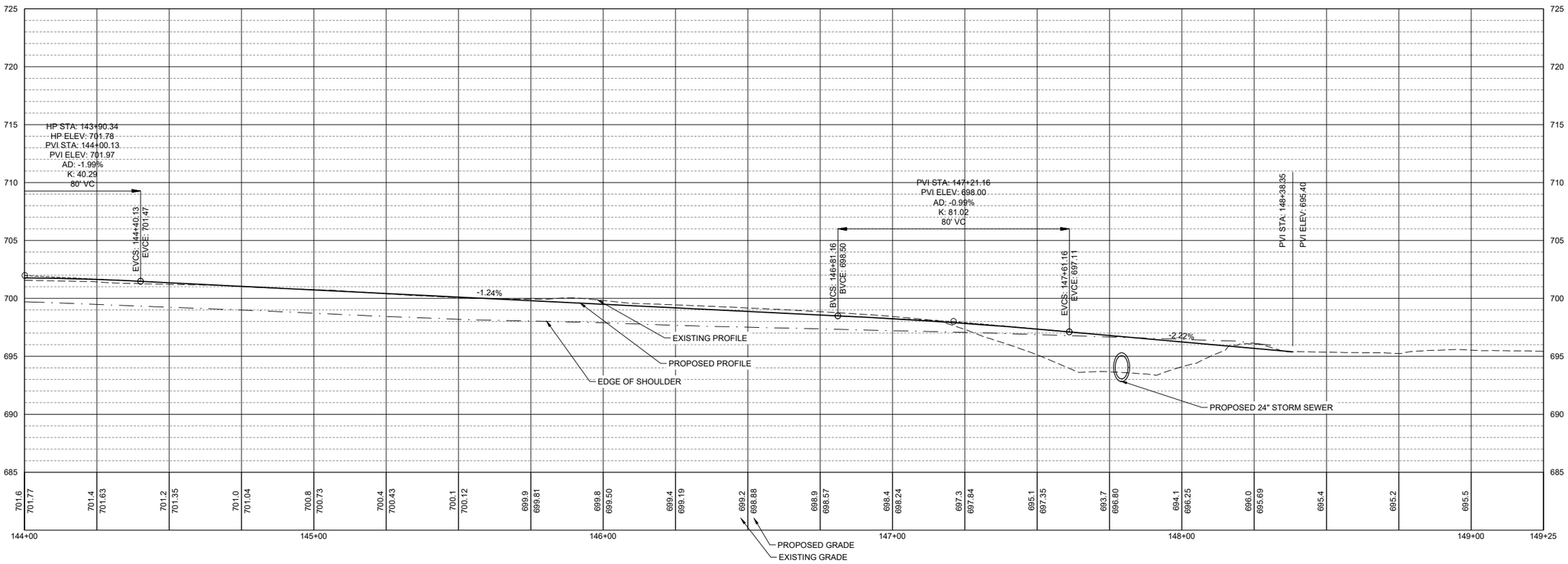
138+50 139+00 140+00 141+00 142+00 143+00 144+00

PROPOSED GRADE
EXISTING GRADE

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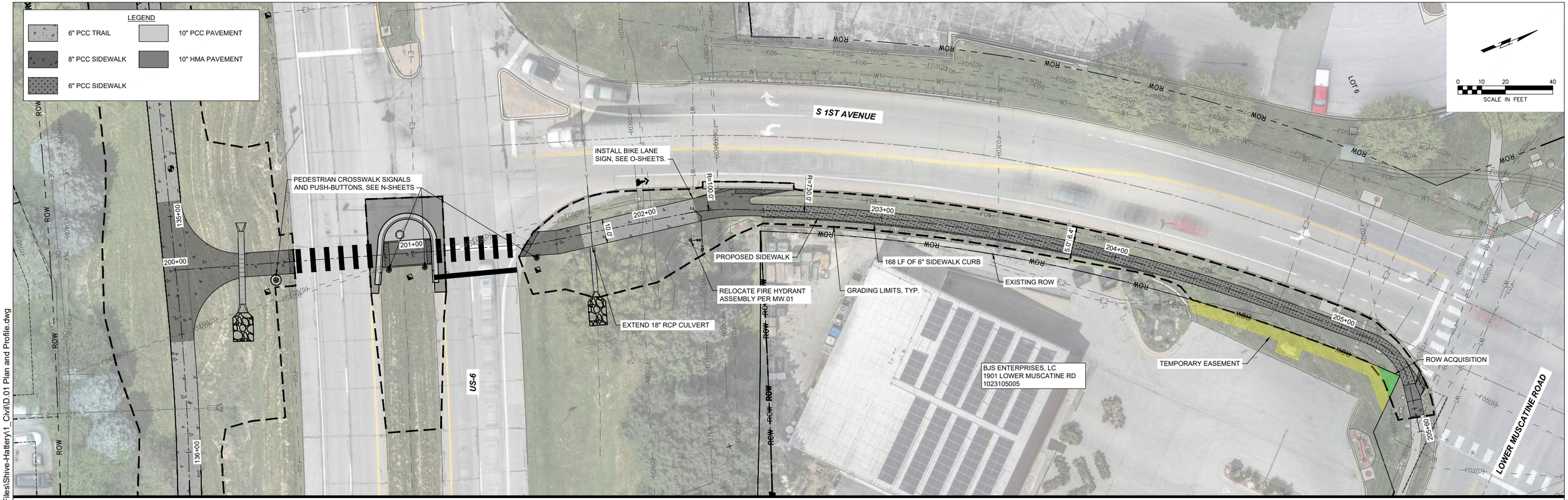
S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Plan and Profile	SHEET NUMBER D.08

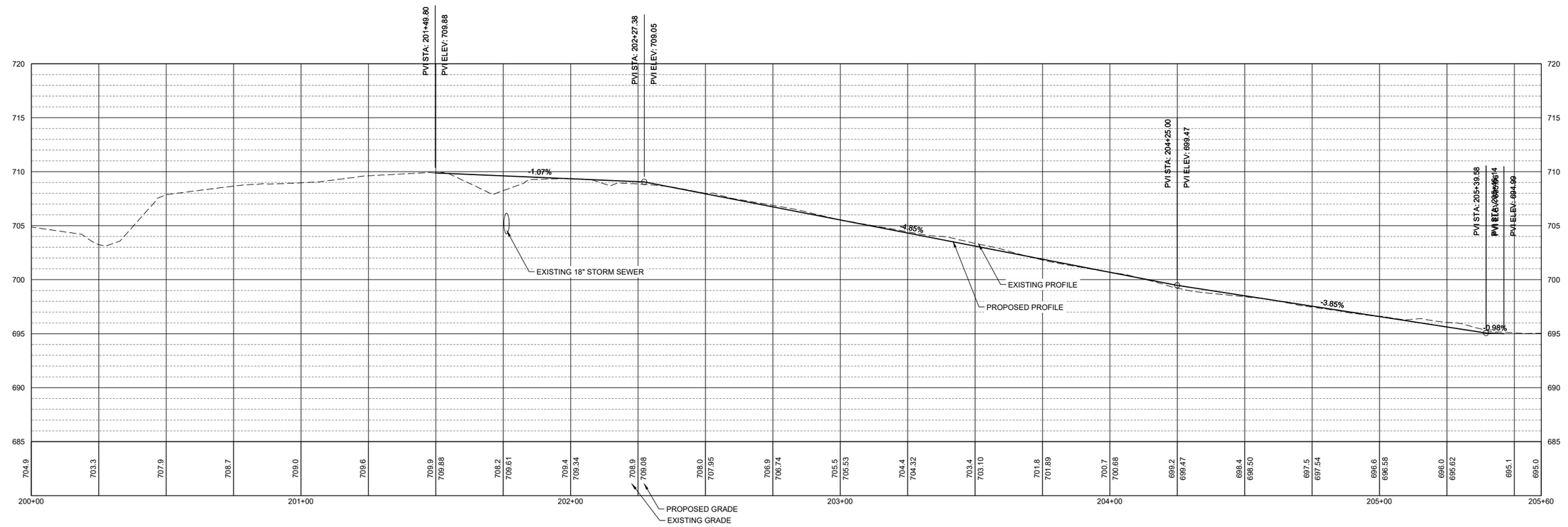




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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Plan and Profile	SHEET NUMBER D.09





S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	S 1st Avenue Plan and Profile	SHEET NUMBER E.01

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US-6

BROADWAY STREET

GRADING LIMITS, TYP.

TEMPORARY EASEMENT

ROW

100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00

4.00% 4.46% 4.46% 3.51% 2.62% 2.77% 6.95% 6.95%

0 10 20 40
SCALE IN FEET

LEGEND

- SEDIMENT CONTROL DEVICE, 12 IN
- INTAKE SEDIMENT FILTER
- SEEDING
- REVETMENT STONE

US-6

TAYLOR DRIVE

GRADING LIMITS, TYP.

0 20 40
SCALE IN FEET

S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Grading and Erosion Control Plan	SHEET NUMBER F.01

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US-6

GRADING LIMITS, TYP.

0 10 20 40
SCALE IN FEET

111+00 112+00 113+00 114+00 115+00 116+00

LEGEND

- SEDIMENT CONTROL DEVICE, 12 IN
- INTAKE SEDIMENT FILTER
- SEEDING
- REVETMENT STONE

US-6

GRADING LIMITS, TYP.

0 10 20 40
SCALE IN FEET

116+00 117+00 118+00 119+00 120+00 121+00 122+00

S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Grading and Erosion Control Plan	SHEET NUMBER F.02

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US-6

SYCAMORE STREET

GRADING LIMITS, TYP.

RESEEDING REQUIRED WITH TREE CLEARING AND GRUBBING (TYP.)

ROW

0 10 20 40
SCALE IN FEET

LEGEND

- SEDIMENT CONTROL DEVICE, 12 IN
- INTAKE SEDIMENT FILTER
- SEEDING
- REVETMENT STONE

US-6

GRADING LIMITS, TYP.

EXISTING ROW

GRADING LIMITS, TYP.

0 10 20 40
SCALE IN FEET

S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Grading and Erosion Control Plan	SHEET NUMBER F.03

S 1ST AVENUE

US-6

201+00

GRADING LIMITS, TYP.

134+00

135+00

136+00

137+00

138+00

133+00

200+00

GRADING LIMITS, TYP.

RESEEDING REQUIRED WITH TREE CLEARING AND GRUBBING (TYP.)

0 10 20 40
SCALE IN FEET

LEGEND

- SEDIMENT CONTROL DEVICE, 12 IN
- INTAKE SEDIMENT FILTER
- SEEDING
- REVETMENT STONE

US-6

0 10 20 40
SCALE IN FEET

GRADING LIMITS, TYP.

138+00

139+00

140+00

141+00

142+00

143+00

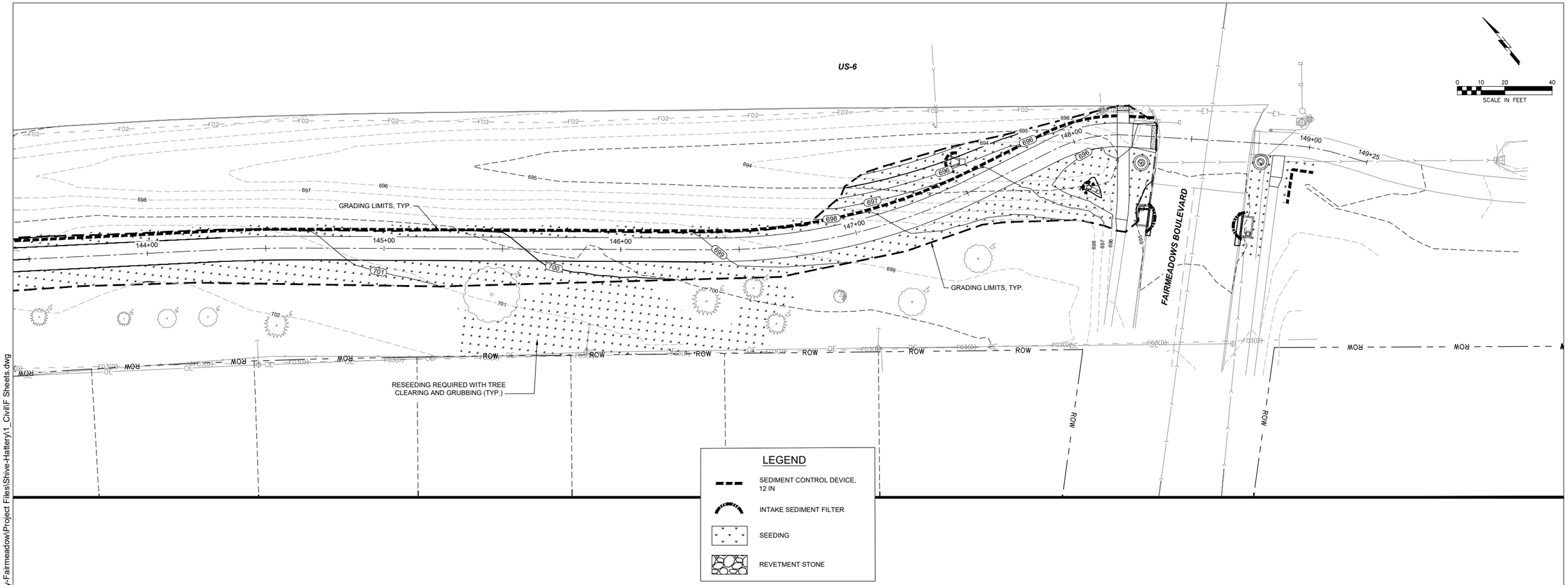
144+00

GRADING LIMITS, TYP.

RESEEDING REQUIRED WITH TREE CLEARING AND GRUBBING (TYP.)

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Grading and Erosion Control Plan	SHEET NUMBER F.04

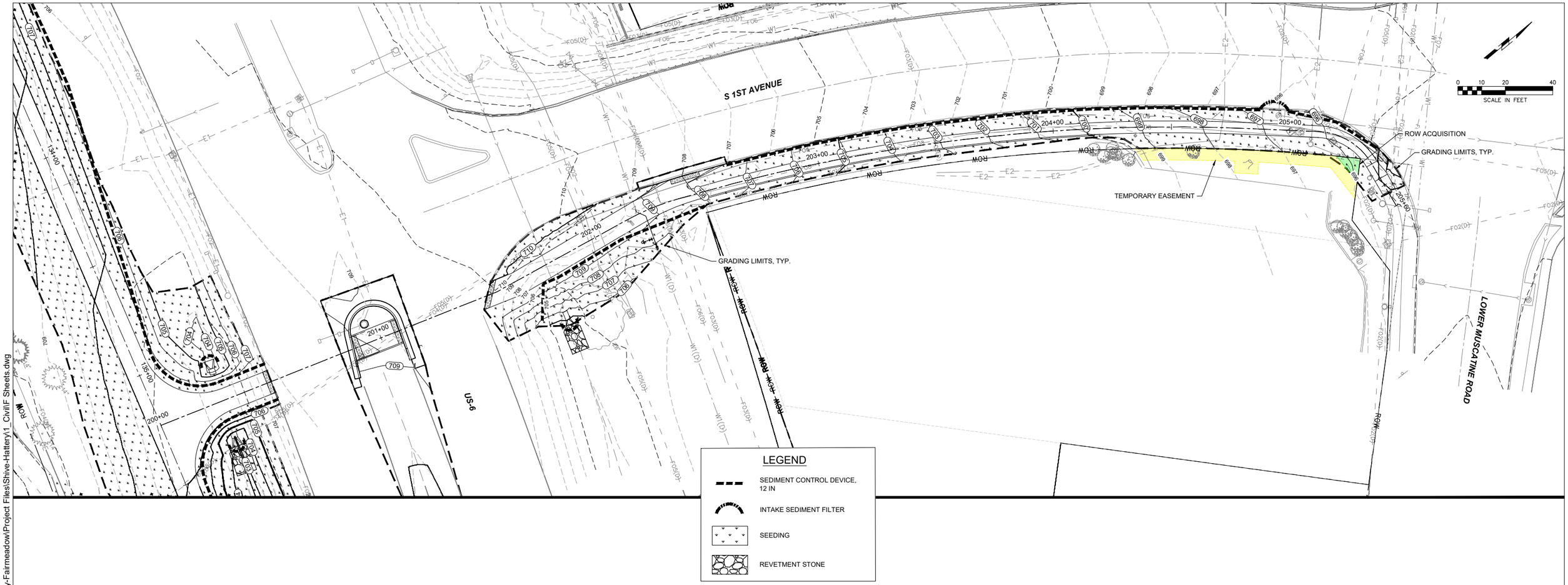


LEGEND

- SEDIMENT CONTROL DEVICE, 12 IN
- INTAKE SEDIMENT FILTER
- SEEDING
- REVETMENT STONE

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Grading and Erosion Control Plan	SHEET NUMBER F.05



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Grading and Erosion Control Plan	SHEET NUMBER F.06

POLLUTION PREVENTION PLAN

This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).

This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITES

A. Designer:
1. Prepares Base PPP included in the project plan.
2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.

B. Contractor:
1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
8. Submits amended PPP site map according to Section 2602 of the Standard Specifications.

C. Subcontractors:
1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if: responsible for sediment or erosion controls; involved in land disturbing activities; or performing work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Implement good housekeeping practices according to Paragraph III, C, 2.

D. RCE/Project Engineer:
1. Is Project Storm Water Manager.
2. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
3. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
4. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
5. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
6. Is familiar with the Project PPP and storm water site map.
7. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
8. Is signature authority on Notice of Discontinuation.
9. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
10. Makes information to determine permit compliance available to the DNR upon their request.

E. Inspector:
1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
2. Makes information to determine permit compliance available to the DNR upon their request.
3. Conducts joint required inspections of the site with the contractor/subcontractor.
4. Completes an inspection report after each inspection.
5. Is signature authority on storm water inspection reports.

110_12L
8/23/22

POLLUTION PREVENTION PLAN

II. PROJECT SITE DESCRIPTION

A. This Pollution Prevention Plan (PPP) is for the construction of a trail.

B. This PPP covers approximately 3 acres with an estimated 2.5 acres being disturbed. The portion of the PPP covered by this contract has 2.5 acres disturbed.

C. The PPP is located in an area of 2 soil associations (Tama silt loam and Downs silt loam). The estimated weighted average runoff coefficient number for this PPP after completion will be 0.68.

D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including:
1. Drainage Patterns – Plan and Profile sheets and Situation plans.
2. Proposed Slopes – Cross Sections.
3. Areas of Soil Disturbance – Construction limits shown on Plan and Profile sheets.
4. Location of Structural Controls – Tabulations in C sheets.
5. Locations of Non-structural Controls – Tabulations in C sheets.
6. Locations of Stabilization Practices – Generally within construction limits shown on Plan and Profile sheets.
7. Surface Waters (including wetlands) – Project Location Map and Plan and Profile sheets.
8. Locations where Storm Water is Discharged – Plan and Profile sheets.

E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map.

F. Runoff from this work will flow into Snyder Creek and Ralston Creek into Iowa River.

III. CONTROLS

A. The Contractor’s ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.

B. Preserve vegetation in areas not needed for construction.

C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.

1. EROSION AND SEDIMENT CONTROLS

a. Stabilization Practices
1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
a) Permanently ceased on any portion of the site, or
b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
4) Permanent and Temporary Stabilization practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets.
5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Additional information may be found in Tabulations in the C or T sheets or is referenced in Section 2105 of Standard Specifications.

b. Structural Practices
1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.

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POLLUTION PREVENTION PLAN

2) Structural practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found in the B sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C sheets.

c. Storm Water Management

Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets. The installation of these devices may be subject to Section 404 of the Clean Water Act.

2. OTHER CONTROLS

Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive applicable laws, rules or regulations shall apply.

a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.

b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.

c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.

d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.

e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.

f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.

g. Concrete Grooving/Grinding Slurry – Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.

h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.

i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.

j. Dewatering – Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.

3. APPROVED STATE OR LOCAL PLANS

During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES

The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS

A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:

1. Date of the inspection.
2. Summary of the scope of the inspection.
3. Name and qualifications of the personnel making the inspection.
5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
6. Major observations related to the implementation of the PPP.
7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

110_12L
8/23/22

POLLUTION PREVENTION PLAN

VI. NON-STORM WATER DISCHARGES

This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION

Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS

A. Base PPP - Initial Pollution Prevention Plan.

B. Amended PPP - Base PPP amended during construcion. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.

C. Fieldbook Entries - This contains the inspector's daily diary and bid item postings.

D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).

E. Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Tara M. Lawrence

Signature

Tara Lawrence, PE

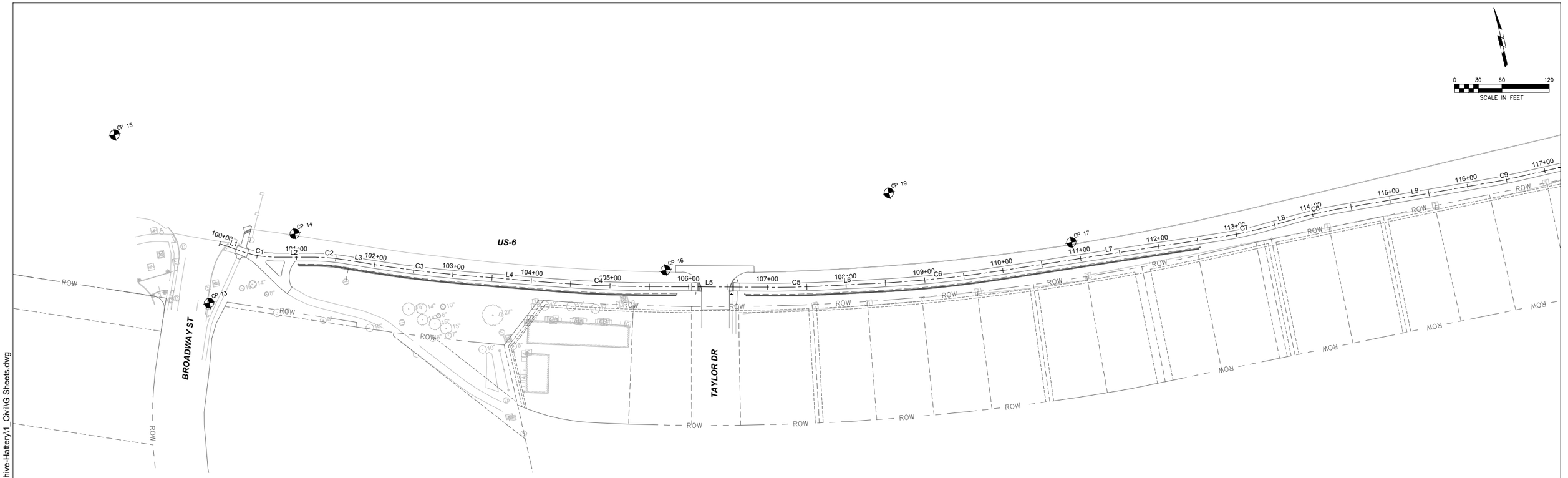
Printed or Typed Name

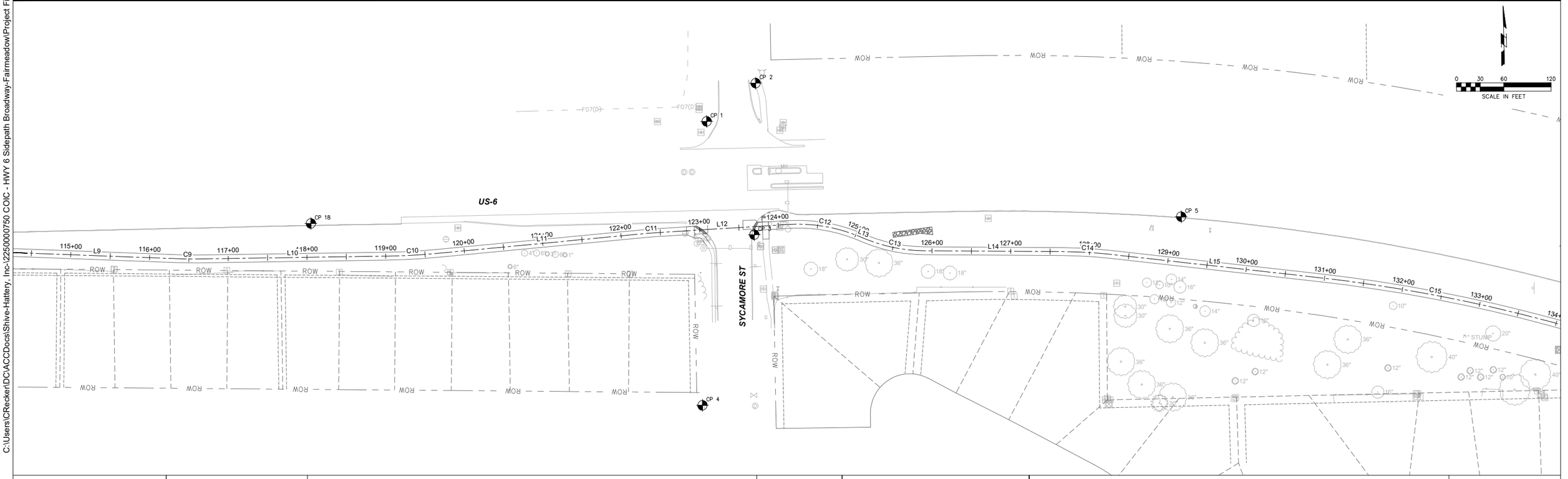
Signature

Jason Havel, City Engineer

Printed or Typed Name

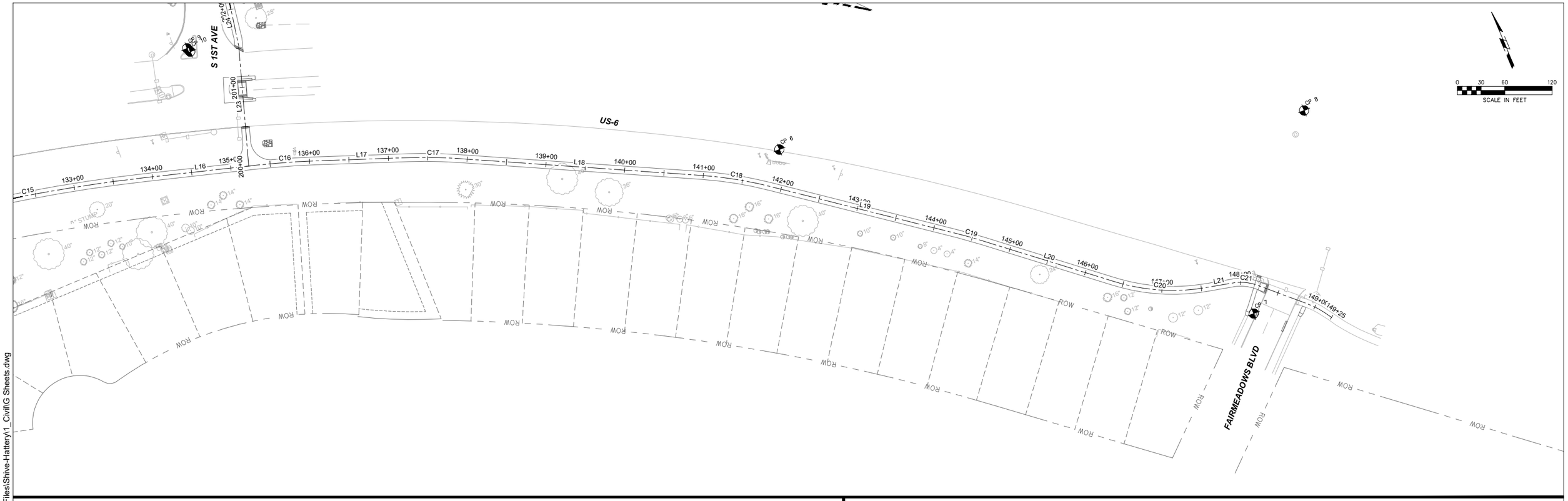
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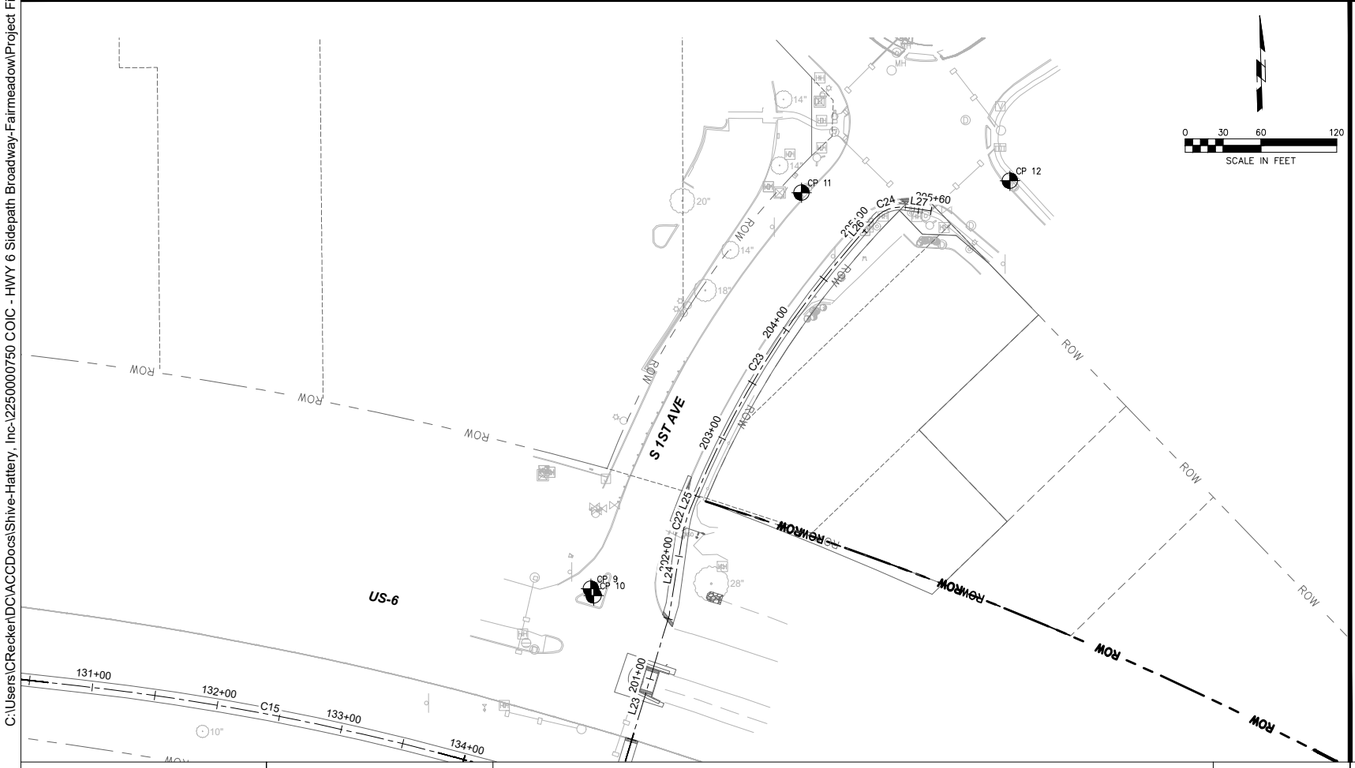




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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Geometric Control	SHEET NUMBER G.01





CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	604217.33	2183830.76	729.99	IRON ROD WITH RED CONTROL CAP
2	604265.91	2183892.92	727.83	CUT "X"
3	604073.47	2183891.27	730.63	BRASS CAP
4	603857.06	2183825.38	739.64	BRASS CAP
5	604096.41	2184433.36	715.82	BRASS CAP
6	603701.91	2185661.14	701.73	BRASS CAP
7	603288.16	2186144.12	694.88	BRASS CAP
8	603504.07	2186297.9	693.47	CUT "X"
9	604096.33	2185009.93	710.77	MAG NAIL
10	604091.04	2185012.26	710.75	BRASS CAP
11	604409.94	2185176.73	696.72	BRASS CAP
12	604419.36	2185341.77	695.06	BRASS CAP
13	604233.01	2181529.79	688.56	BRASS CAP
14	604296.19	2181654.24	694.01	BRASS CAP
15	604466.88	2181457.04	688.2	BRASS CAP
16	604152.87	2182105.33	709.88	BRASS CAP
17	604079.91	2182616.67	726.01	BRASS CAP
18	604087.72	2183328.25	737.32	BRASS CAP
19	604189.67	2182403.03	717.24	BRASS CAP

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ALIGNMENT SEGMENT TABLE - HWY 6 TRAIL						
SEGMENT #	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA (Δ)	START POINT	END POINT
L1	33.11'		S59° 05' 21.45"E		N = 604303.72 E = 2181558.47	N = 604286.71 E = 2181586.88
C1	37.54'	115.00'	S68° 26' 31.63"E	18° 42' 20.36"	N = 604286.71 E = 2181586.88	N = 604272.98 E = 2181621.64
L2	52.91'		S77° 47' 41.82"E		N = 604272.98 E = 2181621.64	N = 604261.79 E = 2181673.36
C2	35.28'	225.00'	S73° 18' 10.69"E	8° 59' 02.26"	N = 604261.79 E = 2181673.36	N = 604251.66 E = 2181707.12
L3	38.99'		S68° 48' 39.56"E		N = 604251.66 E = 2181707.12	N = 604237.57 E = 2181743.47
C3	118.10'	1500.00'	S71° 03' 59.57"E	4° 30' 40.01"	N = 604237.57 E = 2181743.47	N = 604199.26 E = 2181855.15
L4	112.14'		S73° 19' 19.57"E		N = 604199.26 E = 2181855.15	N = 604167.08 E = 2181962.58
C4	114.37'	1500.00'	S75° 30' 22.86"E	4° 22' 06.57"	N = 604167.08 E = 2181962.58	N = 604138.46 E = 2182073.28
L5	167.33'		S77° 41' 26.14"E		N = 604138.46 E = 2182073.28	N = 604102.79 E = 2182236.76
C5	53.99'	1000.00'	S79° 14' 14.04"E	3° 05' 35.79"	N = 604102.79 E = 2182236.76	N = 604092.71 E = 2182289.79
L6	76.26'		S80° 47' 01.93"E		N = 604092.71 E = 2182289.79	N = 604080.49 E = 2182365.07
C6	154.61'	1500.00'	S83° 44' 12.33"E	5° 54' 20.80"	N = 604080.49 E = 2182365.07	N = 604063.63 E = 2182518.69
L7	285.46'		S86° 41' 22.73"E		N = 604063.63 E = 2182518.69	N = 604047.15 E = 2182803.68
C7	62.98'	500.00'	N89° 42' 07.15"E	7° 13' 00.24"	N = 604047.15 E = 2182803.68	N = 604047.48 E = 2182866.61
L8	35.55'		N86° 05' 37.03"E		N = 604047.48 E = 2182866.61	N = 604049.90 E = 2182902.08
C8	52.91'	500.00'	N89° 07' 30.29"E	6° 03' 46.51"	N = 604049.90 E = 2182902.08	N = 604050.71 E = 2182954.96
L9	203.52'		S87° 50' 36.46"E		N = 604050.71 E = 2182954.96	N = 604043.05 E = 2183158.33
C9	26.33'	500.00'	S89° 21' 06.99"E	3° 01' 01.07"	N = 604043.05 E = 2183158.33	N = 604042.75 E = 2183184.65
L10	240.89'		N89° 08' 22.47"E		N = 604042.75 E = 2183184.65	N = 604046.37 E = 2183425.52
C10	64.07'	800.00'	N86° 50' 42.56"E	4° 35' 19.83"	N = 604046.37 E = 2183425.52	N = 604049.89 E = 2183489.48
L11	265.35'		N84° 33' 02.65"E		N = 604049.89 E = 2183489.48	N = 604075.09 E = 2183753.63
C11	13.38'	400.00'	N85° 30' 33.35"E	1° 55' 01.40"	N = 604075.09 E = 2183753.63	N = 604076.14 E = 2183766.97
L12	168.24'		N86° 28' 04.05"E		N = 604076.14 E = 2183766.97	N = 604086.50 E = 2183934.89
C12	90.85'	200.00'	S80° 31' 05.85"E	26° 01' 40.20"	N = 604086.50 E = 2183934.89	N = 604071.67 E = 2184023.74
L13	8.62'		S67° 30' 15.76"E		N = 604071.67 E = 2184023.74	N = 604068.37 E = 2184031.70
C13	77.29'	200.00'	S78° 34' 33.25"E	22° 08' 34.99"	N = 604068.37 E = 2184031.70	N = 604053.15 E = 2184106.99
L14	175.71'		S89° 38' 50.75"E		N = 604053.15 E = 2184106.99	N = 604052.07 E = 2184282.70
C14	62.96'	600.00'	S86° 38' 28.13"E	6° 00' 45.24"	N = 604052.07 E = 2184282.70	N = 604048.39 E = 2184345.52
L15	261.40'		S83° 38' 05.51"E		N = 604048.39 E = 2184345.52	N = 604019.41 E = 2184605.32
C15	302.40'	1976.81'	S79° 15' 09.08"E	8° 45' 52.84"	N = 604019.41 E = 2184605.32	N = 603963.07 E = 2184902.12

ALIGNMENT SEGMENT TABLE - HWY 6 TRAIL						
SEGMENT #	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA (Δ)	START POINT	END POINT
L16	138.50'		S74° 52' 12.66"E		N = 603963.07 E = 2184902.12	N = 603926.92 E = 2185035.82
C16	76.50'	1000.00'	S72° 40' 42.53"E	4° 23' 00.27"	N = 603926.92 E = 2185035.82	N = 603904.15 E = 2185108.83
L17	117.86'		S70° 29' 12.40"E		N = 603904.15 E = 2185108.83	N = 603864.78 E = 2185219.93
C17	62.60'	600.00'	S67° 29' 52.06"E	5° 58' 40.66"	N = 603864.78 E = 2185219.93	N = 603840.83 E = 2185277.74
L18	308.99'		S64° 30' 31.73"E		N = 603840.83 E = 2185277.74	N = 603707.85 E = 2185556.65
C18	89.00'	500.00'	S59° 24' 34.41"E	10° 11' 54.65"	N = 603707.85 E = 2185556.65	N = 603662.62 E = 2185633.16
L19	245.42'		S54° 18' 37.08"E		N = 603662.62 E = 2185633.16	N = 603519.44 E = 2185832.48
C19	31.77'	600.00'	S52° 47' 36.20"E	3° 02' 01.76"	N = 603519.44 E = 2185832.48	N = 603500.23 E = 2185857.78
L20	175.22'		S51° 16' 35.32"E		N = 603500.23 E = 2185857.78	N = 603390.62 E = 2185994.49
C20	117.34'	250.00'	S64° 43' 23.58"E	26° 53' 36.52"	N = 603390.62 E = 2185994.49	N = 603340.98 E = 2186099.63
L21	35.01'		S78° 10' 11.84"E		N = 603340.98 E = 2186099.63	N = 603333.80 E = 2186133.89
C21	31.56'	60.00'	S63° 06' 08.00"E	30° 08' 07.68"	N = 603333.80 E = 2186133.89	N = 603319.69 E = 2186161.71

ALIGNMENT SEGMENT TABLE - S 1ST AVE SIDEWALK						
SEGMENT #	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA (Δ)	START POINT	END POINT
L23	152.66'		N16° 43' 47.80"E		N = 603929.07 E = 2185027.88	N = 604075.26 E = 2185071.83
L24	63.05'		N09° 29' 57.11"E		N = 604075.26 E = 2185071.83	N = 604137.45 E = 2185082.23
C22	22.86'	100.00'	N16° 02' 53.42"E	13° 05' 52.61"	N = 604137.45 E = 2185082.23	N = 604159.37 E = 2185088.54
L25	10.44'		N22° 35' 49.72"E		N = 604159.37 E = 2185088.54	N = 604169.00 E = 2185092.55
C23	233.71'	730.00'	N31° 46' 07.25"E	18° 20' 35.06"	N = 604169.00 E = 2185092.55	N = 604366.85 E = 2185215.07
L26	29.40'		N40° 56' 24.78"E		N = 604366.85 E = 2185215.07	N = 604389.06 E = 2185234.33
C24	27.46'	27.50'	N69° 33' 01.69"E	57° 13' 13.81"	N = 604389.06 E = 2185234.33	N = 604398.26 E = 2185259.01
L27	20.42'		S81° 50' 21.40"E		N = 604398.26 E = 2185259.01	N = 604395.36 E = 2185279.23

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LEGEND

ROW — EXISTING ROW

PROPERTY LINE

TEMPORARY EASEMENT

ROW ACQUISITION

0 10 20 40

SCALE IN FEET

US-6

BROADWAY STREET

100+00 101+00 102+00 103+00 104+00 105+00 106

STATION = 104+11.63
OFFSET = 23.34' RT

STATION = 104+06.41
OFFSET = 31.37' RT

STATION = 105+29.93
OFFSET = 23.76' RT

STATION = 105+29.72
OFFSET = 31.76' RT

8.0'

5.0'

8.0'

ELECTRICAL UTILITY EASEMENT, TYP.

FIBER UTILITY EASEMENT, TYP.

CASEY'S MARKETING COMPANY
1904 BROADWAY ST
1023230008

J&KP, LLC
1831 TAYLOR DR
1023231001

CITY OF IOWA CITY, IOWA
1102 HOLLYWOOD BLVD
1023231002

LOT 1

LOT 2

LEGEND

ROW — EXISTING ROW

PROPERTY LINE

TEMPORARY EASEMENT

ROW ACQUISITION

0 20 40

SCALE IN FEET

US-6

105+00 106+00 107+00 108+00 109+00 110+00 111+00

STATION = 105+29.93
OFFSET = 23.76' RT

8.0'

STATION = 105+29.72
OFFSET = 31.76' RT

J&KP, LLC
1831 TAYLOR DR
1023231001

TAYLOR DRIVE

LOT 2

LOT 3

ELECTRICAL UTILITY EASEMENT, TYP.

FIBER UTILITY EASEMENT, TYP.

BETTINE ALLISON & SAMALA VICTORIA S
1204 HOLLYWOOD BLVD
1023232005

WYLLIE BONNIE E
1212 HOLLYWOOD BLVD
1023232004

CITY OF IOWA CITY
1218 HOLLYWOOD BLVD
1023232003

MASON JAMES D & JORJA J
1230 HOLLYWOOD BLVD
1023232002

KOEPP GERALD A & RUTH F
1306 HOLLYWOOD BLVD
1023232001

FARWELL WILLIAM J & JEANETTE E
1314 HOLLYWOOD BLVD
1023203017

LEONARD OLIGAR M GUERRA
1320 HOLLYWOOD BLVD
1023203016

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Right of Way Plan	SHEET NUMBER H.01

LEGEND

ROW EXISTING ROW

PROPERTY LINE

TEMPORARY EASEMENT

ROW ACQUISITION

0 10 20 40

SCALE IN FEET

US-6

111+00 112+00 113+00 114+00 115+00 116+00

ELECTRICAL UTILITY EASEMENT, TYP.

FIBER UTILITY EASEMENT, TYP.

FARWELL WILLIAM J & JEANETTE E
1314 HOLLYWOOD BLVD
1023203017
LOT 8

LEONARD OLIGAR M GUERRA
1320 HOLLYWOOD BLVD
1023203016
LOT 9

MULLINK JAMES A
1328 HOLLYWOOD BLVD
1023203015
LOT 10

SUCCESSFUL LIVING SUPPORTIVE HOUSING PROGRAM
1340 HOLLYWOOD BLVD
1023203014
LOT 11

DELGADO JAVIER E LOZADA
1404 HOLLYWOOD BLVD
1023203013
LOT 12

ABALOS FRANK S
1414 HOLLYWOOD BLVD
1023203012
LOT 13

PAZ JOSE OMAR & LEAL EVELIA PAZ
1430 HOLLYWOOD BLVD
1023203011
LOT 14

GARCIA-SANCHEZ ADOLFO & GARCIA MARIA D
1502 HOLLYWOOD BLVD
1023203010
LOT 15

CULPITT DYLAN T
1510 HOLLYWOOD BLVD
1023203009
LOT 16

LEGEND

ROW EXISTING ROW

PROPERTY LINE

TEMPORARY EASEMENT

ROW ACQUISITION

0 10 20 40

SCALE IN FEET

US-6

116+00 117+00 118+00 119+00 120+00 121+00 122+00

ELECTRICAL UTILITY EASEMENT, TYP.

FIBER UTILITY EASEMENT, TYP.

CULPITT DYLAN T
1510 HOLLYWOOD BLVD
1023203009
LOT 16

JACK G BRASE REVOCABLE LIVING TRUST
1518 HOLLYWOOD BLVD
1023203008
LOT 17

TAUBER TRAVIS J
1532 HOLLYWOOD BLVD
1023203007
LOT 18

CALDWELL JEFFREY S
1606 HOLLYWOOD BLVD
1023203006
LOT 19

WENDLER CHARLES R & CHRISTINE M
1616 HOLLYWOOD BLVD
1023203005
LOT 20

CONTRERAS ANGELA KAYE DIAZ
1628 HOLLYWOOD BLVD
1023203004
LOT 21

TACK BRIAN R
1634 HOLLYWOOD BLVD
1023203003
LOT 22

RESKE NEIL T & JANET L
1640 HOLLYWOOD BLVD
1023203002
LOT 23

RESKE NEIL T & JANET L
HOLLYWOOD BLVD
1023203001

S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Right of Way Plan	SHEET NUMBER H.02

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LEGEND

ROW — EXISTING ROW

PROPERTY LINE

TEMPORARY EASEMENT

ROW ACQUISITION

US-6

SYCAMORE STREET

122+00 123+00 124+00 125+00 126+00 127+00 128+00

ELECTRICAL UTILITY EASEMENT, TYP.

FIBER UTILITY EASEMENT, TYP.

RESKE NEIL T & JANET L
1640 HOLLYWOOD BLVD
1023203002

RESKE NEIL T & JANET L
HOLLYWOOD BLVD
1023203001

LOT 23

LOT 24

ALSHABEEB, HUSSEIN
1846 HOLLYWOOD CT
1023126024

UTILITY EASEMENT, TYP.

CRESS JOHN A & KAYLA K
1840 HOLLYWOOD CT
1023126022

BORGSTAHL BENJAMIN D
1834 HOLLYWOOD CT
1023126020

0 10 20 40
SCALE IN FEET

LEGEND

ROW — EXISTING ROW

PROPERTY LINE

TEMPORARY EASEMENT

ROW ACQUISITION

US-6

127+00 128+00 129+00 130+00 131+00 132+00 133+00

UTILITY EASEMENT, TYP.

GOODFELLOW BRADLEY
DEAN & MARY
1826 HOLLYWOOD CT
1023126018

LOT 172

0 10 20 40
SCALE IN FEET

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Right of Way Plan	SHEET NUMBER H.03

LEGEND

ROW — EXISTING ROW

PROPERTY LINE

TEMPORARY EASEMENT

ROW ACQUISITION

S 1ST AVENUE

201+00

200+00

US-6

133+00 134+00 135+00 136+00 137+00 138+00

0 10 20 40
SCALE IN FEET

UTILITY EASEMENT, TYP.

SYSTEMS UNLIMITED, INC
1918 HOLLYWOOD BLVD
1023126001

SYSTEMS UNLIMITED, INC
1918 HOLLYWOOD BLVD
1023126001

SYSTEMS UNLIMITED, INC
1918 HOLLYWOOD BLVD
1023126001

DOOLITTLE KELLAN KATE SLATER-SCOTT
& SLATER-SCOTT NIX DOOLITTLE
2012 HOLLYWOOD BLVD
1023106001

BLUE ANCHOR PROPERTIES, LLC
2016 HOLLYWOOD BLVD
1023106002

LEGEND

ROW — EXISTING ROW

PROPERTY LINE

TEMPORARY EASEMENT

ROW ACQUISITION

0 10 20 40
SCALE IN FEET

US-6

138+00 139+00 140+00 141+00 142+00 143+00 144+00

BLUE ANCHOR PROPERTIES, LLC
2016 HOLLYWOOD BLVD
1023106002

SCHWEITZER JAMISON & DEANNE
2014 HOLLYWOOD BLVD
1023106003

DUNDON KYLE D
2020 HOLLYWOOD BLVD
1023106004

FOSMARK RYAN T & ELIZABETH M
2100 HOLLYWOOD BLVD
1023106005

SCHARF HARLAN P & TERESA A
2104 HOLLYWOOD BLVD
1023106006

ESTEP MISTY M
2108 HOLLYWOOD BLVD
1023106007

MCROBERTS SEAN CD & COLLEEN SD
2110 HOLLYWOOD BLVD
1023106008

MOHAMED HANAA Y
2112 HOLLYWOOD BLVD
1023106009

KEYSER JAYMES K
2116 HOLLYWOOD BLVD
1023106010

S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Right of Way Plan	SHEET NUMBER H.04

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LEGEND

ROW — EXISTING ROW

PROPERTY LINE

TEMPORARY EASEMENT

ROW ACQUISITION

US-6

0 10 20 40

SCALE IN FEET

144+00 145+00 146+00 147+00 148+00 149+00 149+25

FAIRMEADOWS BOULEVARD

KEYSER JAYMES K
2116 HOLLYWOOD BLVD
1023106010

YOUNG JOSHUA L & GABRIELLA
2120 HOLLYWOOD BLVD
1023106011

SMITH DONNA K & JESSICA J
2124 HOLLYWOOD BLVD
1023106012

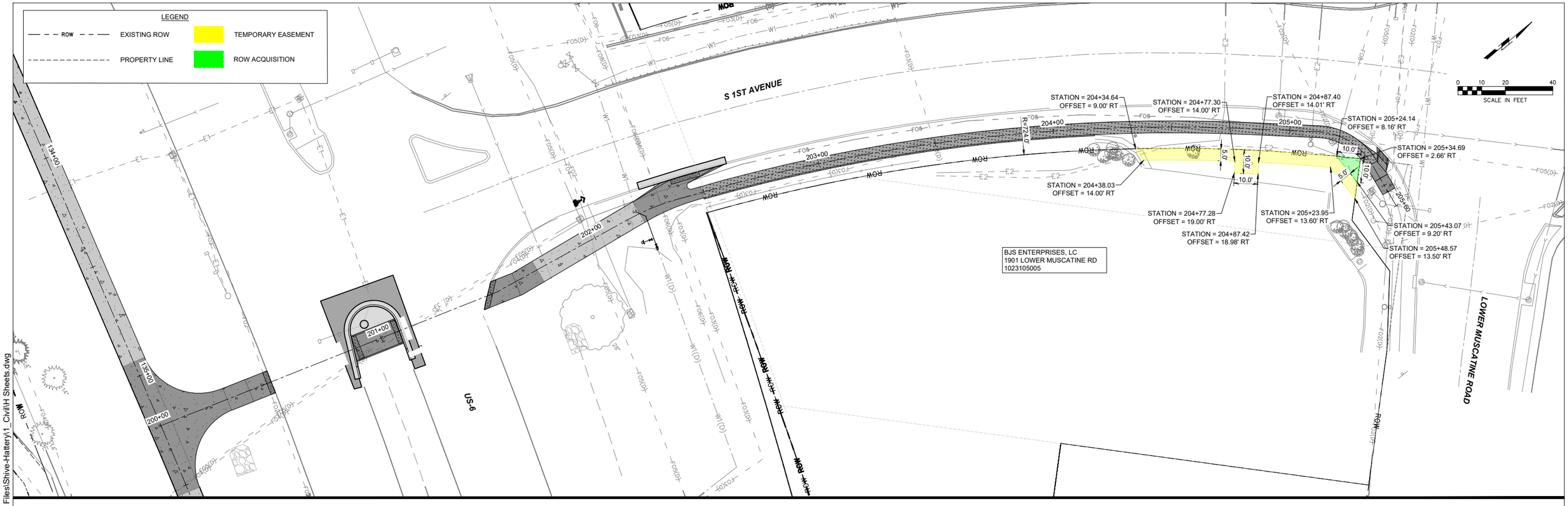
KAHLER KEVIN M
2128 HOLLYWOOD BLVD
1023106013

GHEBREMESKEL ABEBA F
2132 HOLLYWOOD BLVD
1023106014

DECKER EARL STEVEN & RITA M
1835 FAIRMEADOWS BLVD
1023178001

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Right of Way Plan	SHEET NUMBER H.05



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Right of Way Plan	SHEET NUMBER H.06

LEGEND

PHASE 1
PHASE 2
PHASE 3
PHASE 4
PHASE 5
PHASE 6
STAGING AREA

TRAFFIC CONTROL NOTES

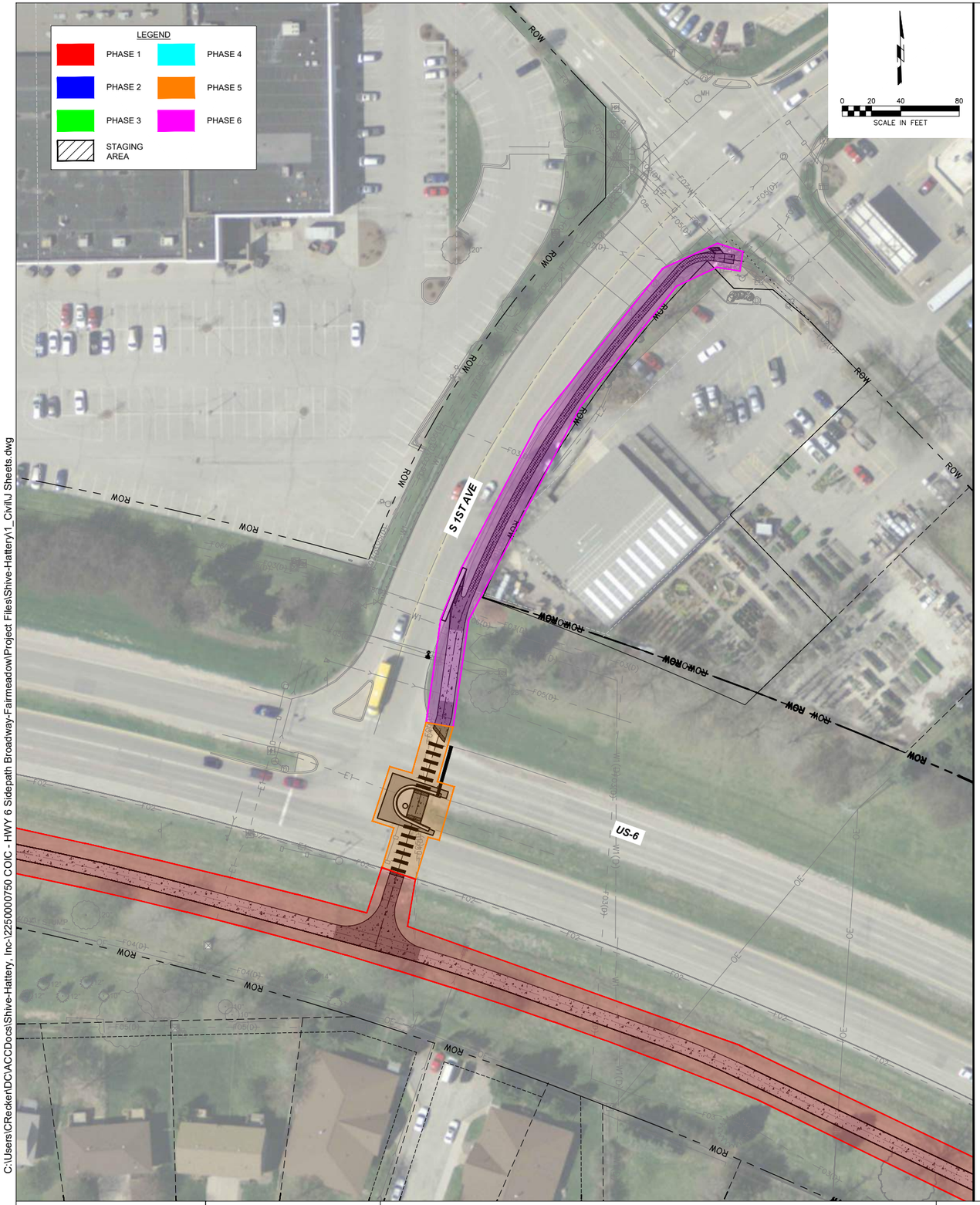
1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT IOWA DOT STANDARD SPECIFICATIONS AND THE CURRENT MUTCD.
2. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN TO THE ENGINEER FOR REVIEW AT LEAST ONE WEEK PRIOR TO COMMENCEMENT OF WORK.
3. THE CONTRACTOR IS TO SUBMIT A TRAFFIC STAGING PLAN TO ENGINEER PRIOR TO COMMENCEMENT OF WORK SHOWING SEQUENCING AND LENGTH/SIZE OF EACH CLOSURE. COMMERCIAL AND INDUSTRIAL ACCESS IS TO BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 1 WEEK NOTICE TO THE CITY OF IOWA CITY AND MUST RECEIVE APPROVAL BEFORE CLOSING ANY STREETS TO TRAFFIC.
5. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALL CHANGES IN PHASING AND TRAFFIC CONTROL A MINIMUM OF 48 HOURS (EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS) PRIOR TO IMPLEMENTATION.
6. ALL TRAFFIC CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. THIS ALSO INCLUDES INSTALLING, MAINTAINING AND REMOVAL OF THE SIGNED DETOURS SHOWN ON THE PLANS. NO ADDITIONAL PAYMENT WILL BE GIVEN FOR TRAFFIC CONTROL REQUIRED WHILE INSTALLING PERMANENT PAVEMENT MARKINGS. THIS SHALL BE INCIDENTAL TO THE PERMANENT PAVEMENT MARKING AND PAVEMENT GROOVING ITEMS.
7. THE CONTRACTOR SHALL MAINTAIN PROPERTY ACCESS FOR ADJACENT PROPERTIES AND MINIMUM ONE LANE OF TRAFFIC IN ACCORDANCE WITH THE PLANS. THE COSTS INCURRED TO FACILITATE CONSTRUCTION PHASING OR TO MAINTAIN ACCESS SHALL BE INCIDENTAL TO THE PROJECT.
8. HOMEOWNER ACCESS TO DRIVEWAYS SHALL BE MAINTAINED FOR AS LONG AS POSSIBLE. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL HOMEOWNERS OF ANY DRIVEWAY ACCESS CLOSURES AT LEAST 7 DAYS PRIOR TO CLOSURE. THE CONTRACTOR SHALL RETURN ROADWAY AND DRIVEWAY ACCESS AS SOON AS FEASIBLE.
9. ALL UNPROTECTED EXCAVATIONS WITHIN 12 FEET OF THE TRAVELED WAY SHALL BE BACKFILLED TO WITHIN 8 INCHES FROM THE TOP OF THE ROADWAY SURFACE, DURING NON-WORKING HOURS.
10. TEMPORARY BARRIER RAIL SHALL BE REQUIRED WHEN TRAFFIC IS WITHIN 5 FEET OF AN EXCAVATED TRENCH OR PATH EXCEEDING 2 FEET DEPTH.
11. THE CONTRACTOR SHALL INSTALL TEMPORARY NO PARKING SIGN(S) AS NECESSARY. TEMPORARY NO PARKING SIGNS CAN BE PICKED UP FROM THE PROJECT ENGINEER.
12. EXISTING STREET SIGNS ALONG THE PROJECT CORRIDOR WILL BE REMOVED BY THE CONTRACTOR AND PROVIDED TO THE CITY PRIOR TO COMMENCING CONSTRUCTION. FOLLOWING CONSTRUCTION, THE CITY WILL REINSTALL ALL REMOVED SIGNS. REMOVAL OF EXISTING TRAFFIC SIGNS SHALL BE INCIDENTAL TO THE PROJECT.
13. SIDEWALK CLOSURES DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH IOWA DOT STANDARD ROAD PLAN TC-601 OR TC-602, AND INCLUDE TYPE II BARRICADES.
14. SIDEWALKS OPEN TO PEDESTRIAN TRAFFIC SHALL MAINTAIN A MINIMUM 4' WIDTH AND BE CLEAR OF ALL CONSTRUCTION DEBRIS. UTILITY EXCAVATIONS WITHIN SIDEWALK AREAS, REQUIRING TEMPORARY BACKFILL, SHALL BE SURFACED WITH COMPACTED MATERIAL PROVIDING FIRM AND LEVEL SURFACE WITH SURROUNDING PAVEMENT. CONTRACTOR SHALL PROVIDE PEDESTRIAN BARRIER ADJACENT TO CONSTRUCTION. SIDEWALK DETOURS AND DIVERSIONS SHALL BE DESIGNATED WITH SIGNAGE.

0 40 80 160
SCALE IN FEET

US-6
BROADWAY ST
TAYLOR DR
S 1ST AVE
SYCAMORE ST
FAIRMEADOWS BLVD
STAGING AREA
ROW

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Traffic Control Plan	SHEET NUMBER J.01



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Traffic Control Plan	SHEET NUMBER J.02

PHASE 2

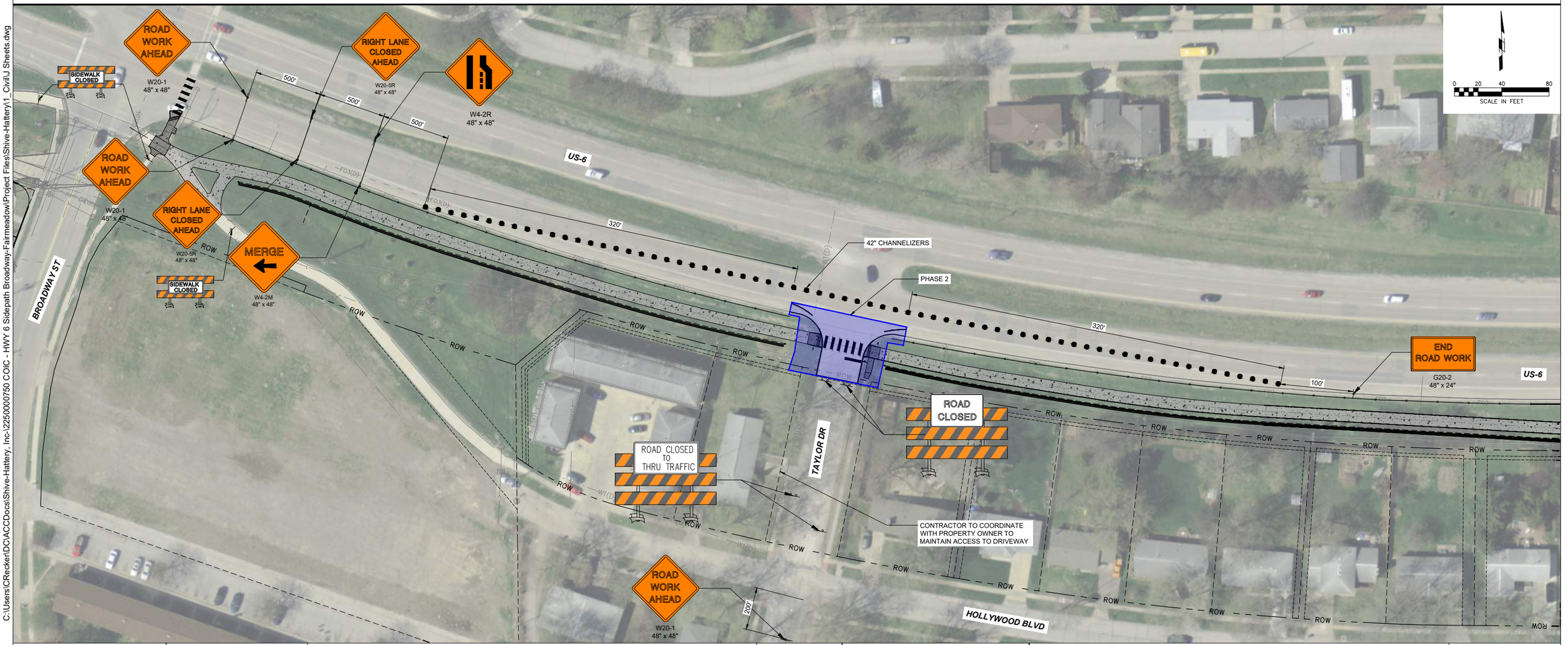
CONSTRUCTION ACTIVITIES

-- INSTALLATION OF EROSION CONTROL DEVICES
-- PAVEMENT REMOVALS
-- INSTALLATION OF NEW PAVING OF TAYLOR DRIVE
-- INSTALLATION OF PAVEMENT MARKINGS AND SIGNAGE
-- RESTORATION.

TRAFFIC CONTROL

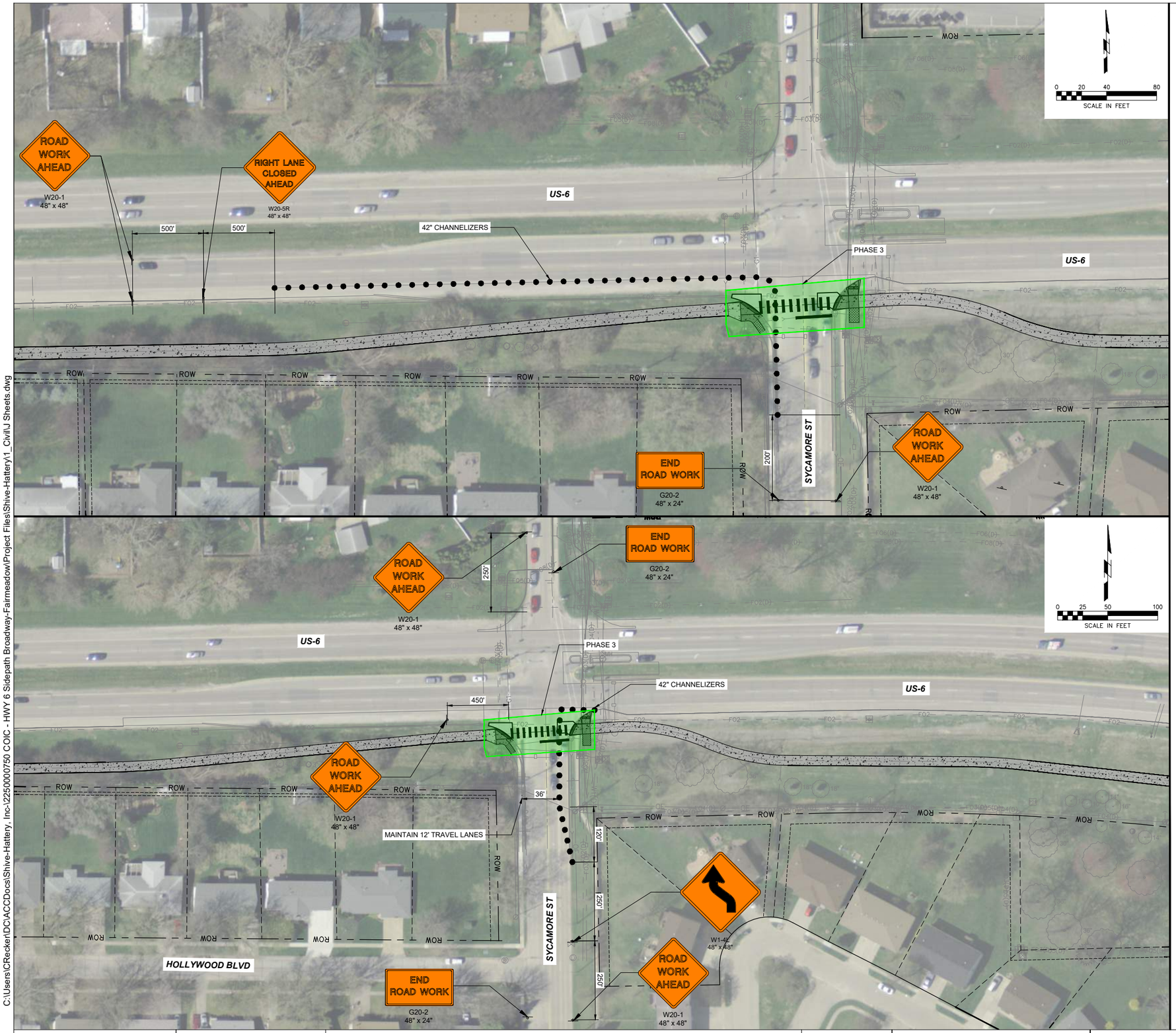
-- FULL CLOSURE ON TAYLOR DRIVE
-- RIGHT LANE CLOSURE ON EASTBOUND HIGHWAY 6 AT TAYLOR DRIVE
-- CONTRACTOR TO COORDINATE ROAD CLOSURES WITH RESIDENTS PRIOR TO CONSTRUCTION AND MAINTAIN ACCESS TO DRIVEWAYS

-- INCENTIVE/DISINCENTIVE TO APPLY TO THIS PHASE
-- 10 WORKING DAYS TO BE ALLOWED TO COMPLETE THE WORK REQUIRING THE ROAD CLOSURE



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Traffic Control Plan	SHEET NUMBER J.03



PHASE 3

CONSTRUCTION ACTIVITIES

-- INSTALLATION OF EROSION CONTROL DEVICES
-- PAVEMENT REMOVALS
-- INSTALLATION OF NEW PAVING OF SYCAMORE STREET
-- INSTALLATION OF PAVEMENT MARKINGS
-- RESTORATION.

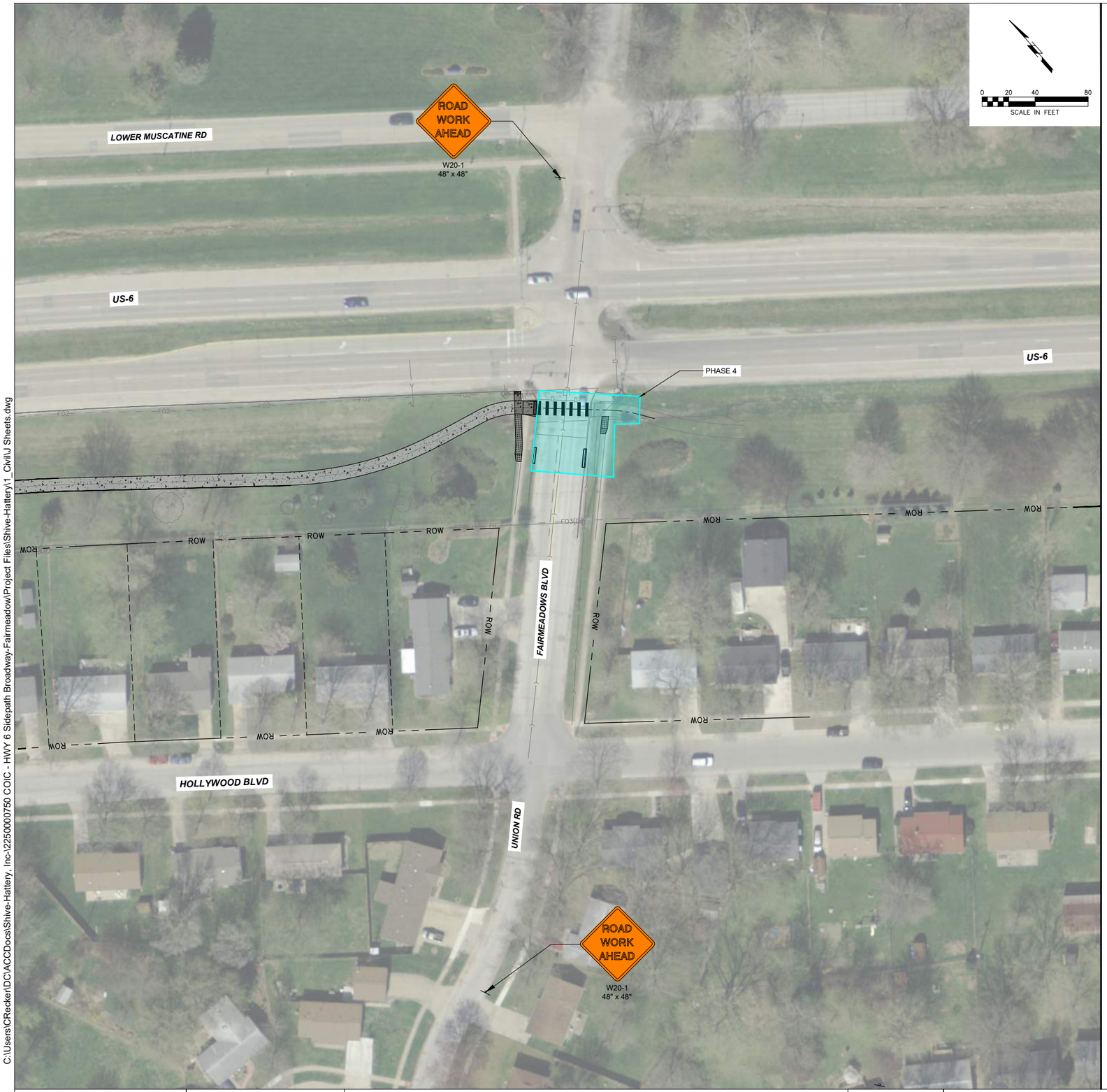
TRAFFIC CONTROL

-- RIGHT LANE CLOSED ON HWY 6 EASTBOUND DURING PHASE 3 FOR CONSTRUCTION OF CURB RAMPS ON SYCAMORE STREET.
-- CONTRACTOR SHALL UTILIZE SHOULDER AND ADJACENT LANE TO PERFORM WORK.
-- 42" CHANNELIZERS SHALL BE USED TO SEPARATE MOVING TRAFFIC FROM WORK AREA.
-- RIGHT LANE CLOSED ON SYCAMORE STREET DURING EAST CURB RAMP CONSTRUCTION.
-- CONSTRUCT EAST AND WEST RAMPS SEPARATELY TO ALWAYS MAINTAIN TRAFFIC THROUGH INTERSECTION.
-- MAINTAIN 2 12' TRAVEL LANES ON SYCAMORE STREET THROUGHOUT CONSTRUCTION.

-- INCENTIVE/DISINCENTIVE TO APPLY TO THIS PHASE
-- 10 WORKING DAYS TO BE ALLOWED TO COMPLETE THE WORK REQUIRING THE LANE CLOSURE

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Traffic Control Plan	SHEET NUMBER J.04



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PHASE 4

CONSTRUCTION ACTIVITIES

-- INSTALLATION OF EROSION CONTROL DEVICES
-- PAVEMENT REMOVALS
-- INSTALLATION OF STORM SEWER
-- INSTALLATION OF NEW PAVING AND CURB RAMPS
-- INSTALLATION OF PAVEMENT MARKINGS
-- RESTORATION.

TRAFFIC CONTROL

-- CONTRACTOR TO COMPLETE WORK ON CURB LINE ONE SIDE AT A TIME.
-- CONTRACTOR TO MAINTAIN TRAFFIC AT ALL TIMES.

-- INCENTIVE/DISINCENTIVE TO APPLY TO THIS PHASE
-- 10 WORKING DAYS TO BE ALLOWED TO COMPLETE THE WORK

S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Traffic Control Plan	SHEET NUMBER J.05

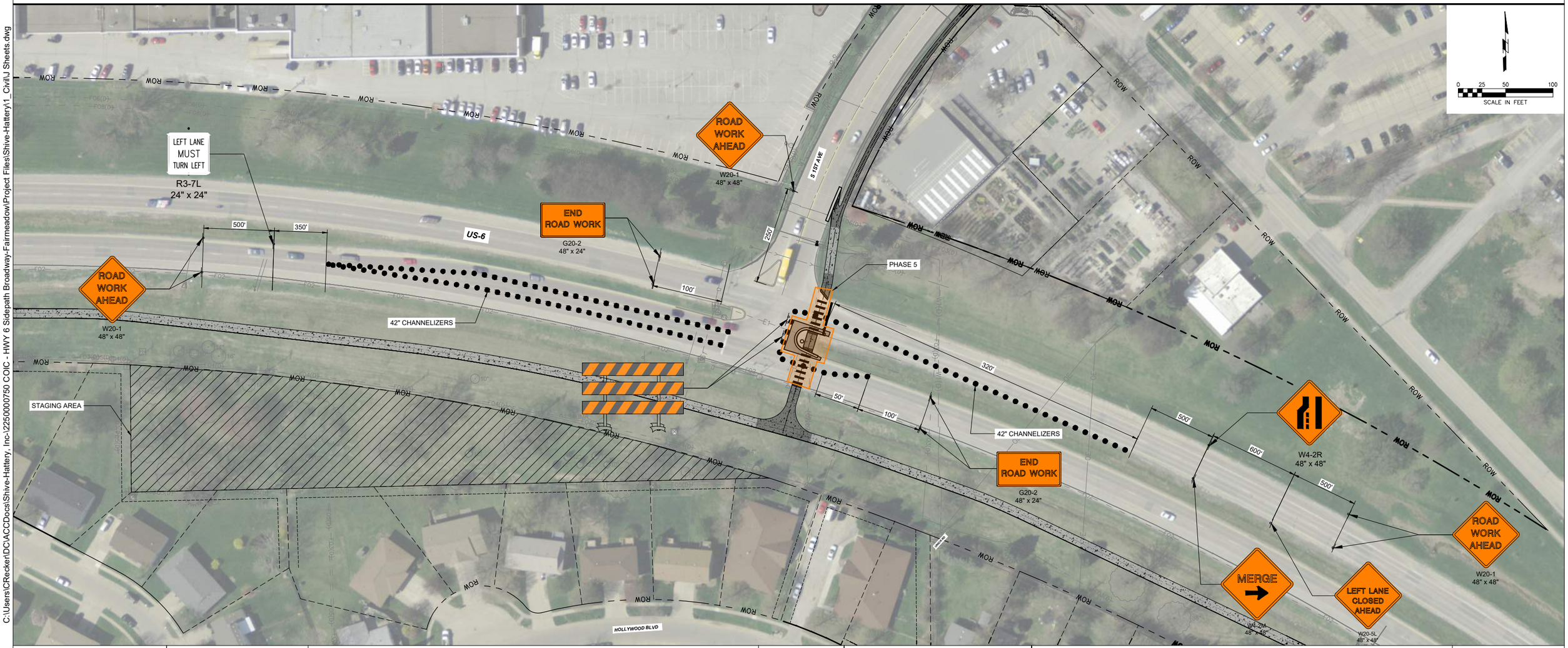
PHASE 5

CONSTRUCTION ACTIVITIES

-- INSTALLATION OF EROSION CONTROL DEVICES
-- PAVEMENT REMOVALS
-- INSTALLATION OF NEW PAVING OF MEDIAN
-- INSTALLATION OF PAVEMENT MARKINGS
-- RESTORATION.

TRAFFIC CONTROL

-- CONSTRUCTION OF MEDIAN TO OCCUR IN PHASE 4.
-- INCLUDES INSTALLATION OF TRAFFIC SIGNAL PEDESTRIAN BUTTONS
-- 42" CHANNELIZERS SHALL BE USED TO CLOSE THE INSIDE (LEFT) LANE ON HWY 6 EASTBOUND. THE RIGHT LANE SHALL BE MAINTAINED AS THE ONLY EASTBOUND THROUGH LANE DURING THIS PHASE.
-- 42" CHANNELIZERS SHALL BE USED TO CLOSE THE INSIDE (LEFT) LANE ON HWY 6 WESTBOUND. THE RIGHT LANE SHALL BE MAINTAINED AS THE ONLY WESTBOUND THROUGH LANE DURING THIS PHASE.
-- TYPE III BARRICADES SHALL BE USED TO RESTRICT TRAFFIC FROM THE WORK AREA.
-- INCENTIVE/DISINCENTIVE TO APPLY TO THIS PHASE
-- 10 WORKING DAYS TO BE ALLOWED TO COMPLETE THE WORK REQUIRING THE LANE CLOSURE



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Traffic Control Plan	SHEET NUMBER J.06

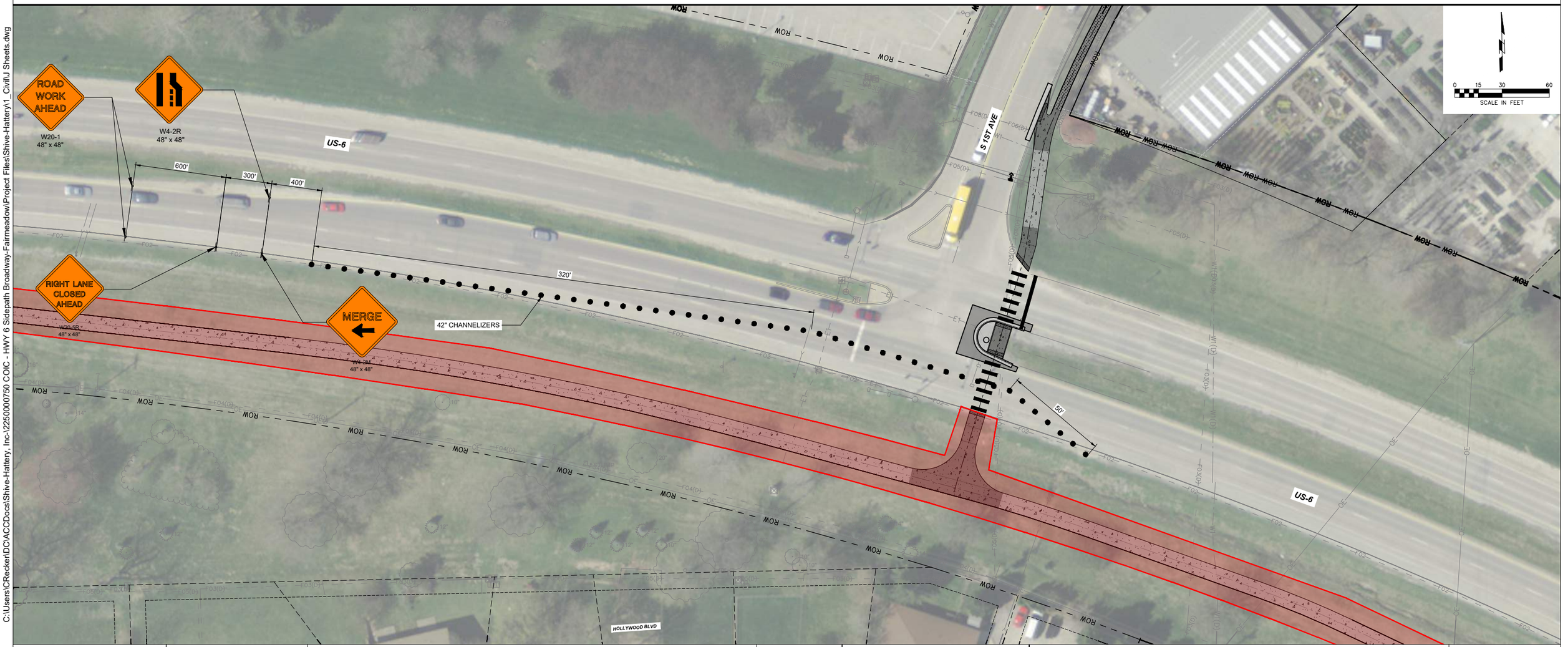
CONSTRUCTION ACTIVITIES

-- INSTALLATION OF EROSION CONTROL DEVICES
-- PAVEMENT REMOVALS
-- INSTALLATION OF CURB RAMP AT SOUTHEAST CORNER OF INTERSECTION
-- INSTALLATION OF PAVEMENT MARKINGS
-- RESTORATION.

TRAFFIC CONTROL

-- 42" CHANNELIZERS SHALL BE USED TO CLOSE THE OUTSIDE (RIGHT) LANE ON HWY 6 EASTBOUND. THE LEFT LANE SHALL BE MAINTAINED AS THE ONLY EASTBOUND THROUGH LANE DURING THIS PHASE.
-- TYPE III BARRICADES SHALL BE USED TO RESTRICT TRAFFIC FROM THE WORK AREA.

-- INCENTIVE/DISINCENTIVE TO APPLY TO THIS PHASE
-- 5 WORKING DAYS TO BE ALLOWED TO COMPLETE THE WORK REQUIRING THE LANE CLOSURE



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Traffic Control Plan	SHEET NUMBER J.07

PHASE 6

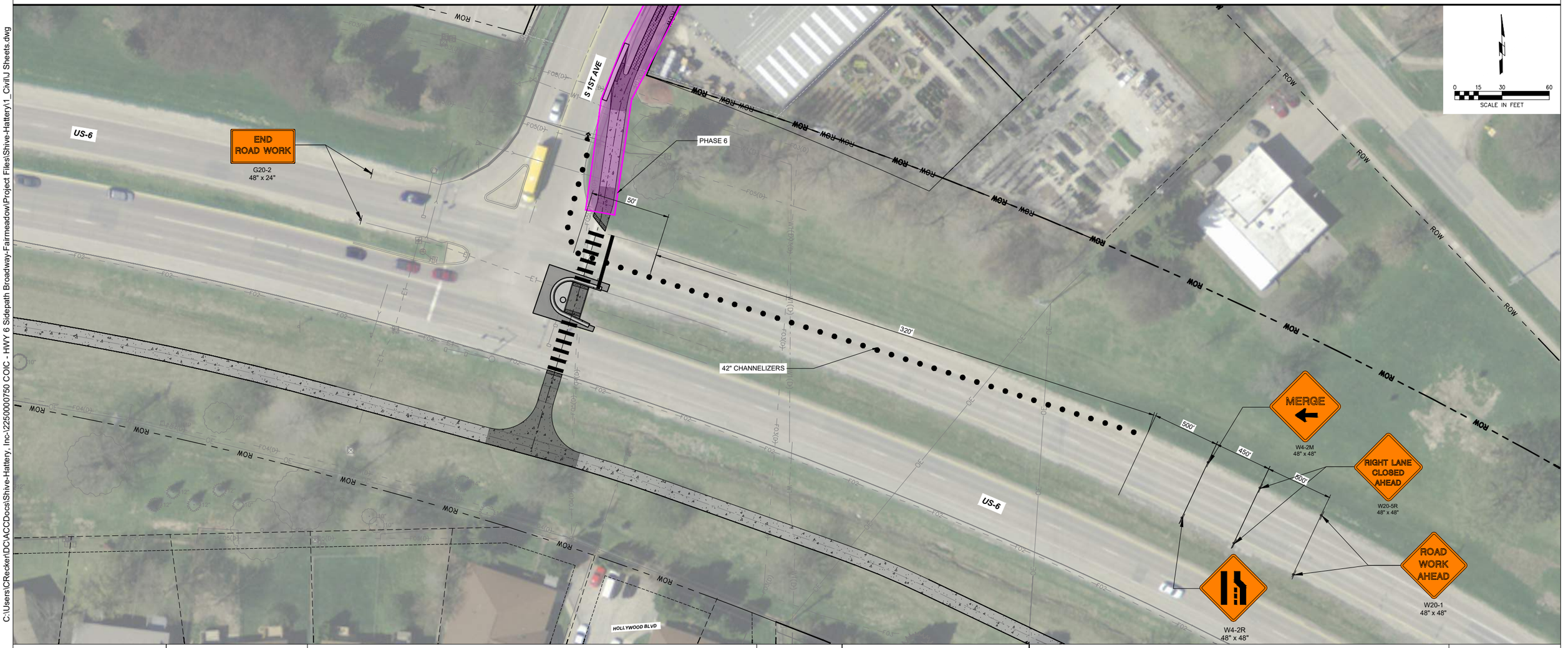
CONSTRUCTION ACTIVITIES

-- INSTALLATION OF EROSION CONTROL DEVICES
-- PAVEMENT REMOVALS
-- INSTALLATION OF CURB RAMP AT NORTHEAST CORNER OF INTERSECTION
-- INSTALLATION OF PAVEMENT MARKINGS
-- RESTORATION.

TRAFFIC CONTROL

-- 42" CHANNELIZERS SHALL BE USED TO CLOSE THE OUTSIDE (RIGHT) LANE ON HWY 6 WESTBOUND. THE LEFT LANE SHALL BE MAINTAINED AS THE ONLY WESTBOUND THROUGH LANE DURING THIS PHASE.
-- TYPE III BARRICADES SHALL BE USED TO RESTRICT TRAFFIC FROM THE WORK AREA.

-- INCENTIVE/DISINCENTIVE TO APPLY TO THIS PHASE
-- 5 WORKING DAYS TO BE ALLOWED TO COMPLETE THE WORK REQUIRING THE ROAD CLOSURE



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Traffic Control Plan	SHEET NUMBER J.08

TC	TOP OF CURB
GU	GUTTER
EOR	END OF RETURN
QP	QUARTER LENGTH POINT
MP	MID LENGTH POINT
ME	MATCH EXISTING

0 5 10
SCALE IN FEET

ME:
STATION = 100+28.84
OFFSET = 33.90 LT
692.03

ME:
STATION = 100+21.88
OFFSET = 29.21 LT
691.75

ME:
STATION = 100+31.32
OFFSET = 34.19 LT
692.13

ME:
STATION = 100+24.02
OFFSET = 26.23 LT
691.71

ME:
STATION = 100+31.63
OFFSET = 30.21 LT
692.09

ME:
STATION = 100+25.13
OFFSET = 24.03 LT
691.69

US-6

BROADWAY STREET

100+00

0 5 10 20
SCALE IN FEET

MATCH EXISTING PAVEMENT EDGE

US-6

ME:
STATION = 105+83.37
OFFSET = 26.62 LT
710.43

ME:
STATION = 106+82.88
OFFSET = 26.80 LT
713.61

ME:
STATION = 105+83.33
OFFSET = 18.41 LT
710.18

ME:
STATION = 106+83.11
OFFSET = 18.84 LT
713.32

EOR:
STATION = 105+91.41
OFFSET = 18.41 LT
710.32

MP:
STATION = 106+59.30
OFFSET = 11.10 LT
711.70

EOR:
STATION = 106+76.62
OFFSET = 18.68 LT
712.92

MP:
STATION = 106+09.02
OFFSET = 18.12 LT
711.19

R=25.00'

12.00'
TYP.

3.99%

12.00'

5.95%

R=25.00'

L-2 (TYP.)

TAPER CURB FORM 0" TO 6" OVER 3'

TAPER CURB FORM 0" TO 6" OVER 3'

107+00

1.41%

CD (TYP.)

7.78%

EOR:
STATION = 106+16.39
OFFSET = 6.45 RT
TC: 710.26
GU: 709.76

4.50%

6.12%

EOR:
STATION = 106+52.24
OFFSET = 6.45 RT
TC: 710.78
GU: 710.28

5.38%

5.88%

6" STANDARD CURB

6" STANDARD CURB

ME:
STATION = 106+16.51
OFFSET = 29.05 RT
TC: 709.14
GU: 708.64

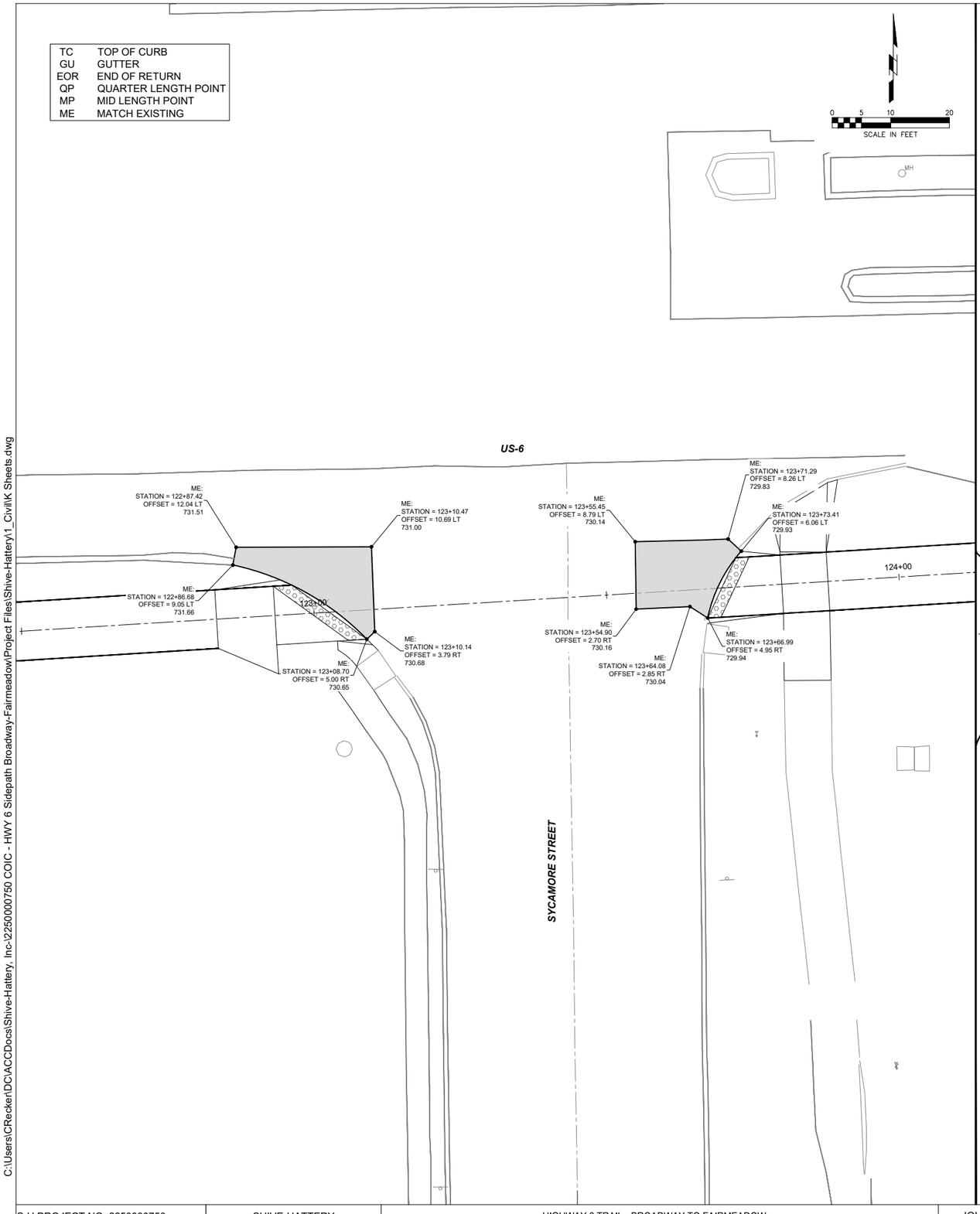
ME:
STATION = 106+52.36
OFFSET = 28.48 RT
TC: 709.45
GU: 708.95

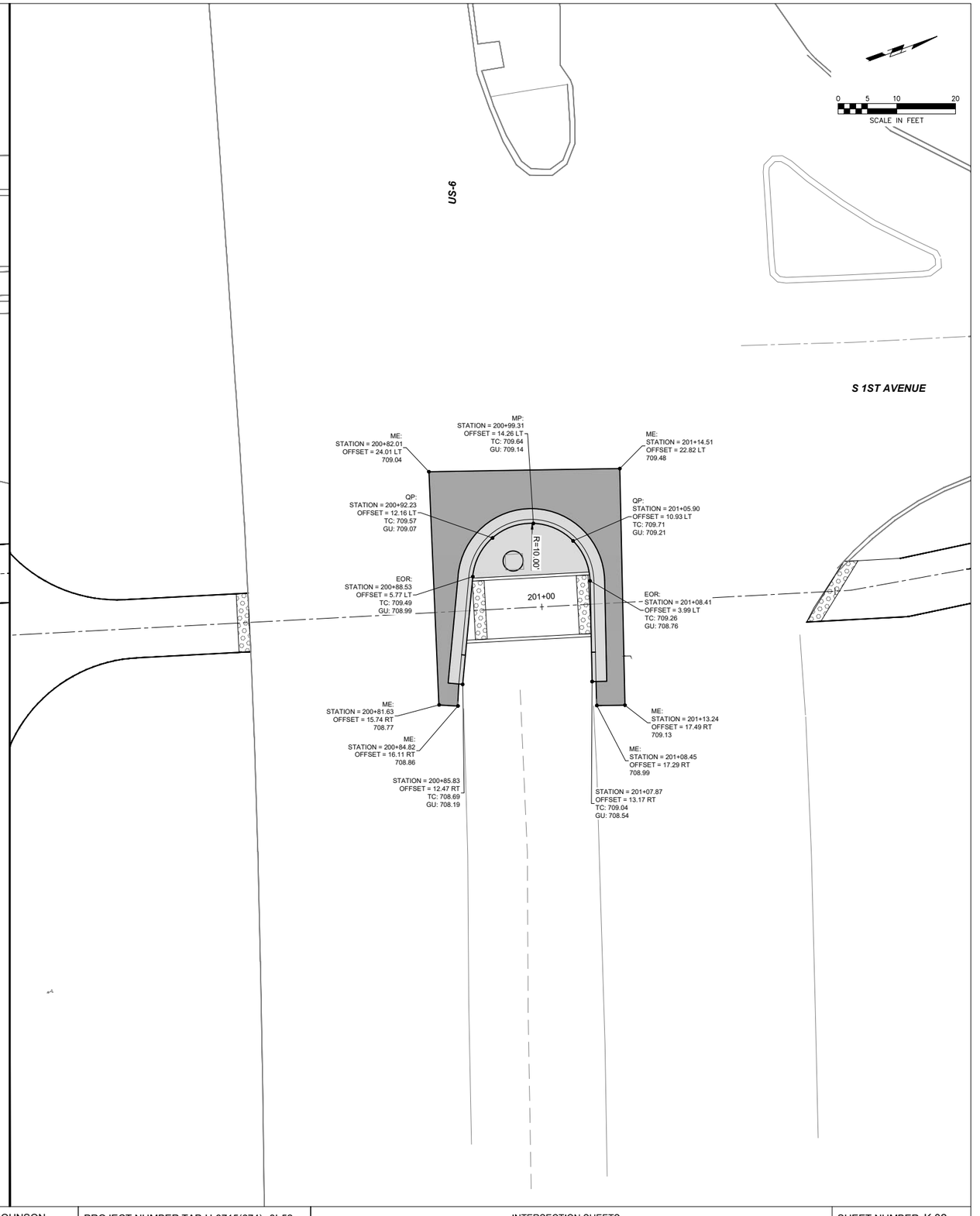
TAYLOR DRIVE

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	INTERSECTION SHEETS	SHEET NUMBER K.01

TC	TOP OF CURB
GU	GUTTER
EOR	END OF RETURN
QP	QUARTER LENGTH POINT
MP	MID LENGTH POINT
ME	MATCH EXISTING



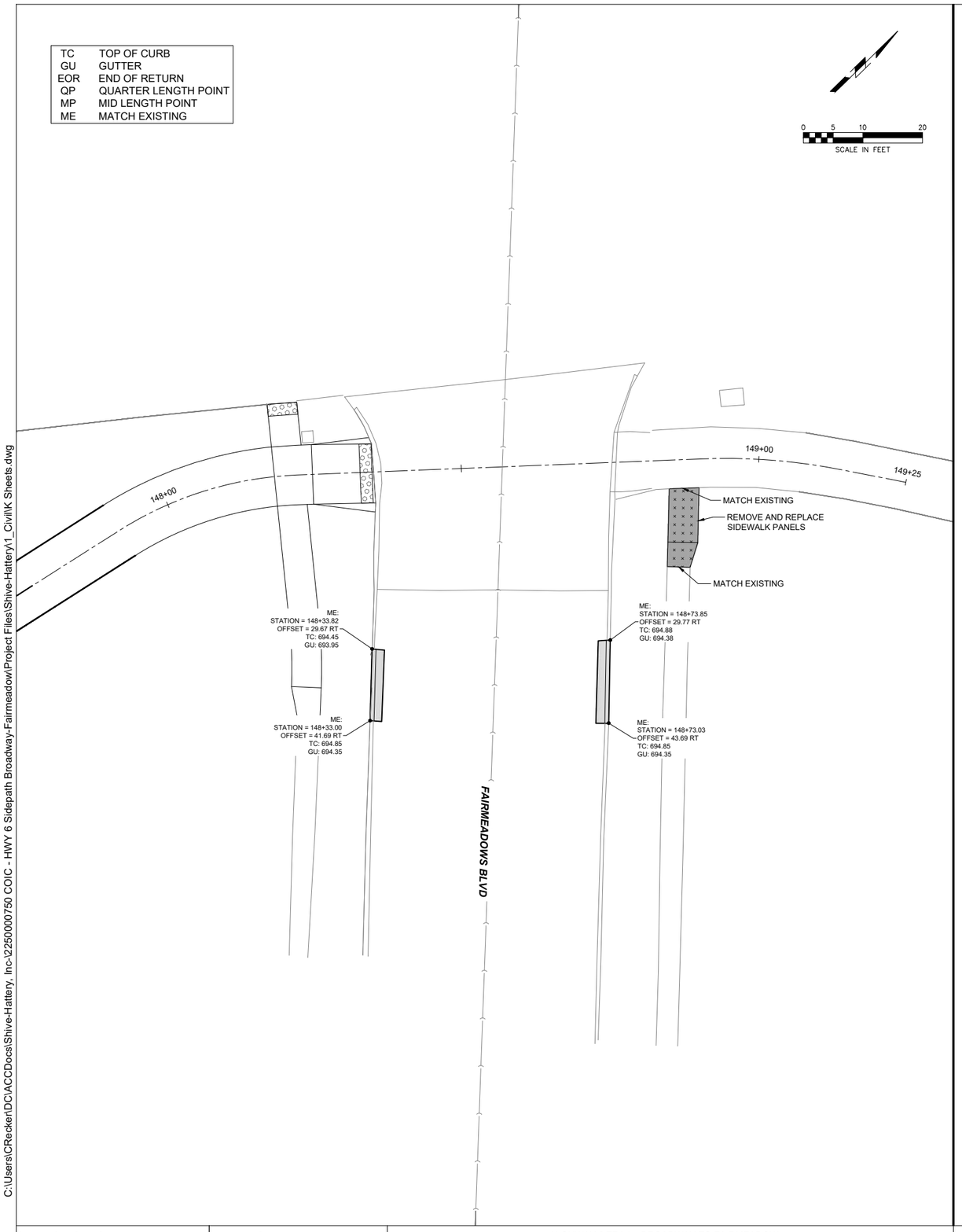


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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	INTERSECTION SHEETS	SHEET NUMBER K.02

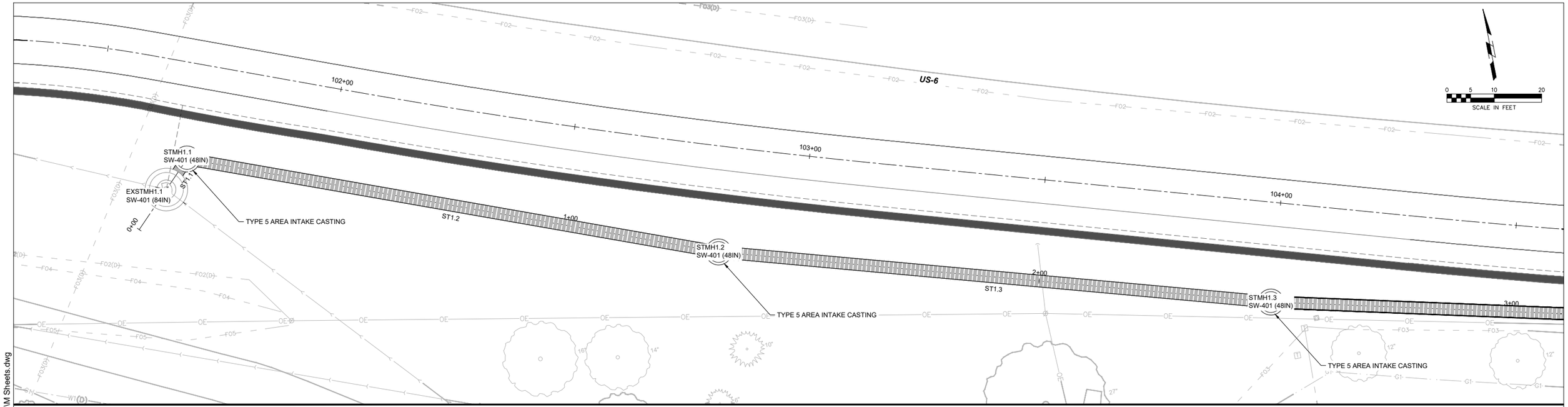
TC	TOP OF CURB
GU	GUTTER
EOR	END OF RETURN
QP	QUARTER LENGTH POINT
MP	MID LENGTH POINT
ME	MATCH EXISTING

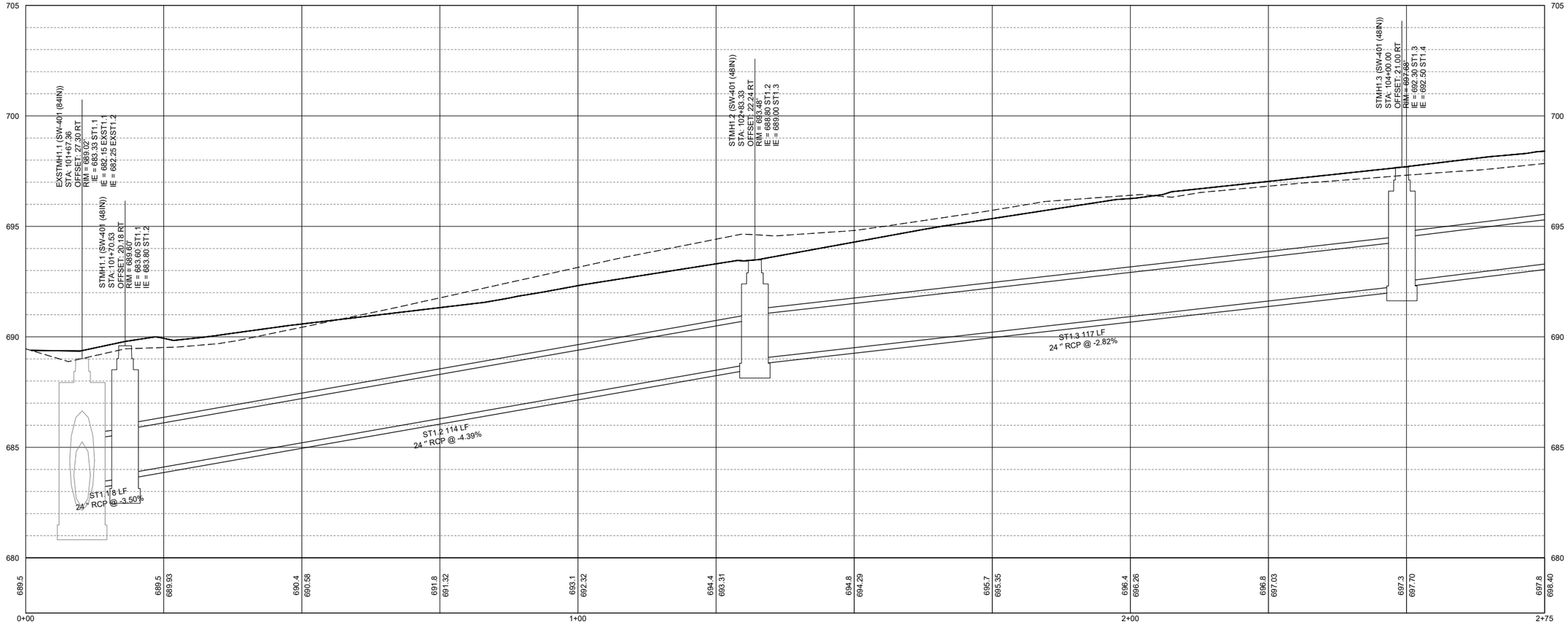
0 5 10 20
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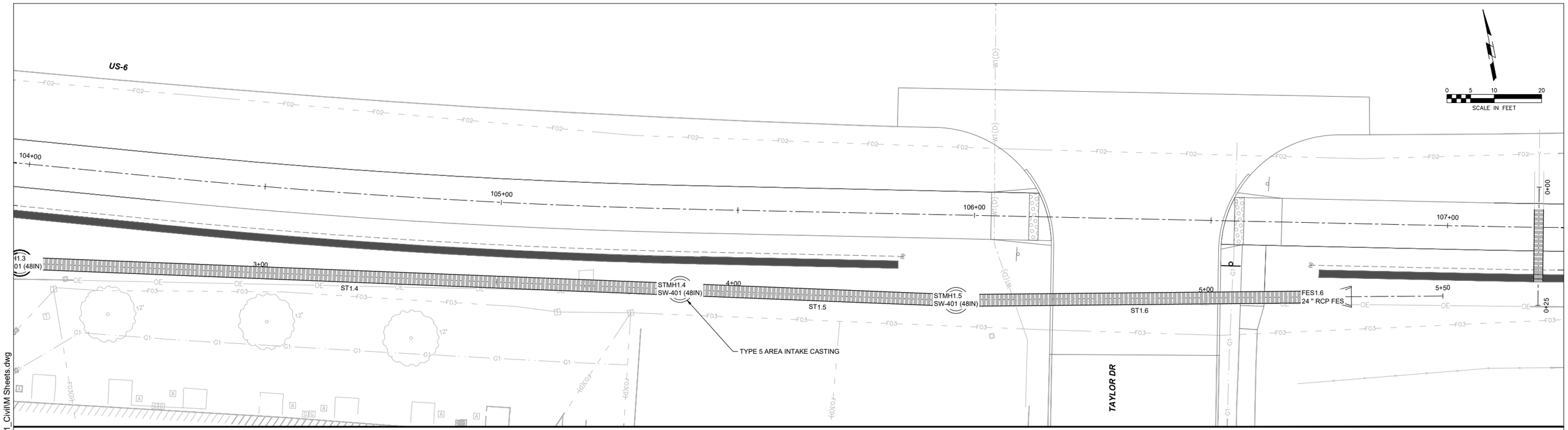
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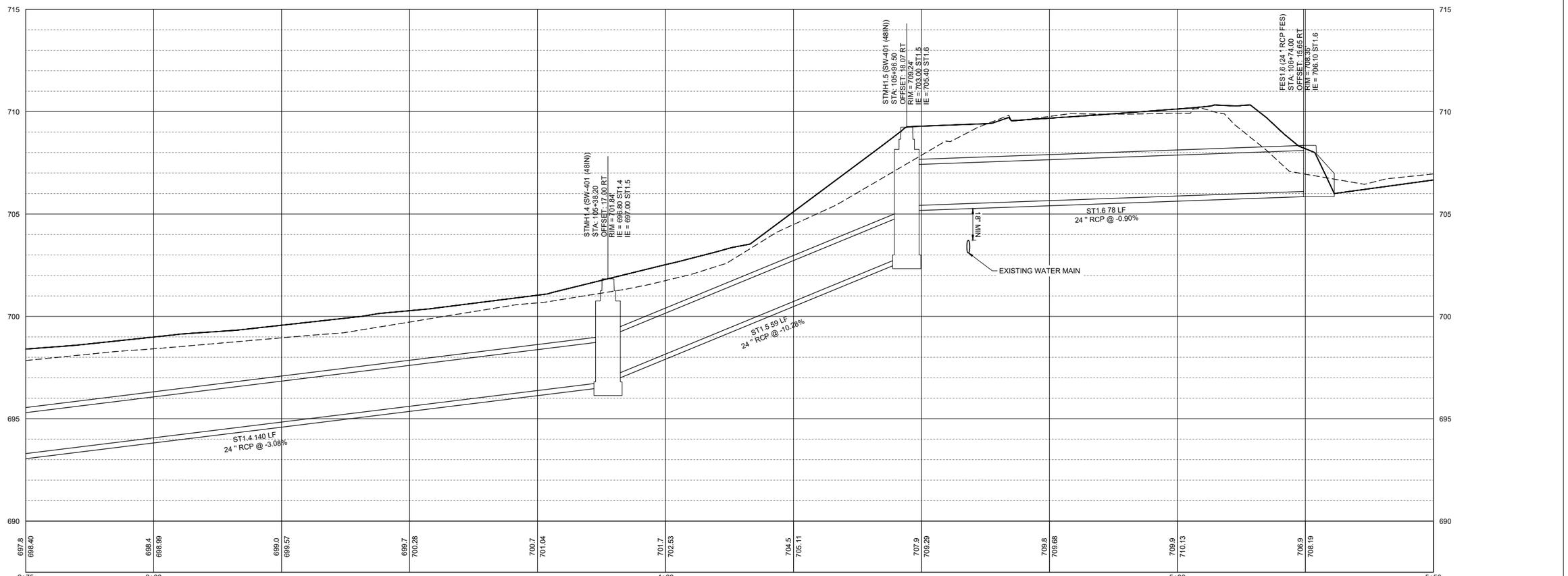




S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	STORM SEWER PLAN AND PROFILE	SHEET NUMBER M.01

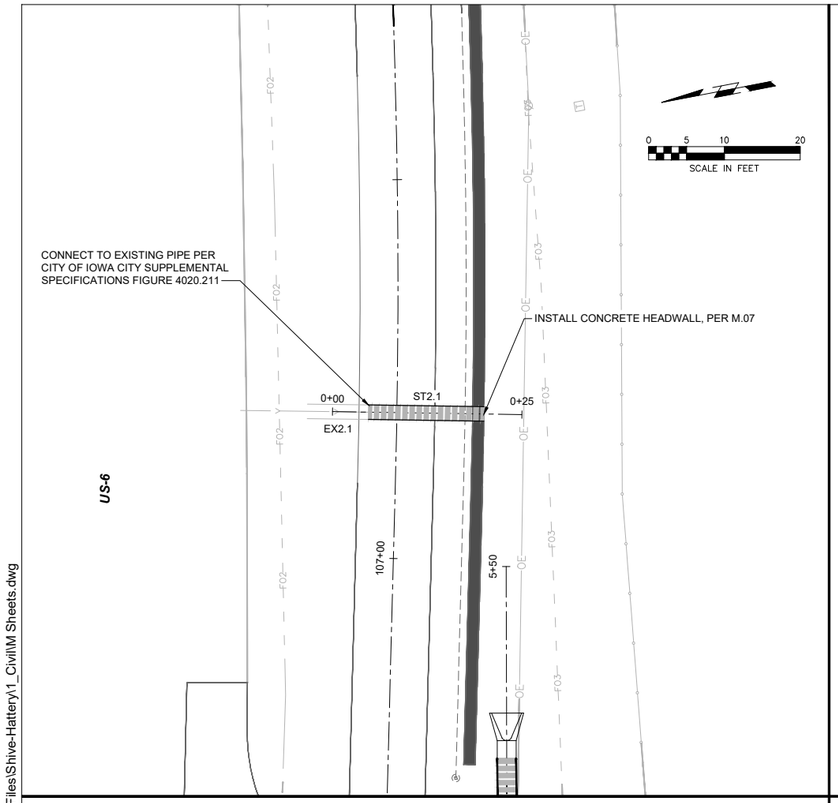
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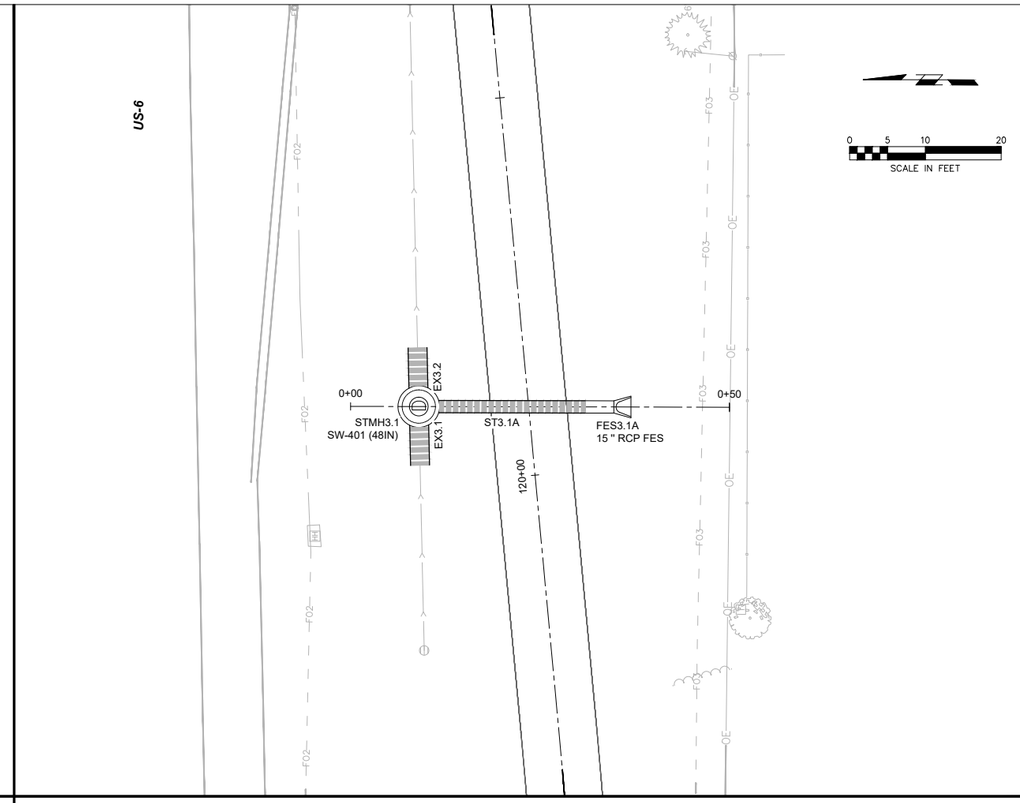


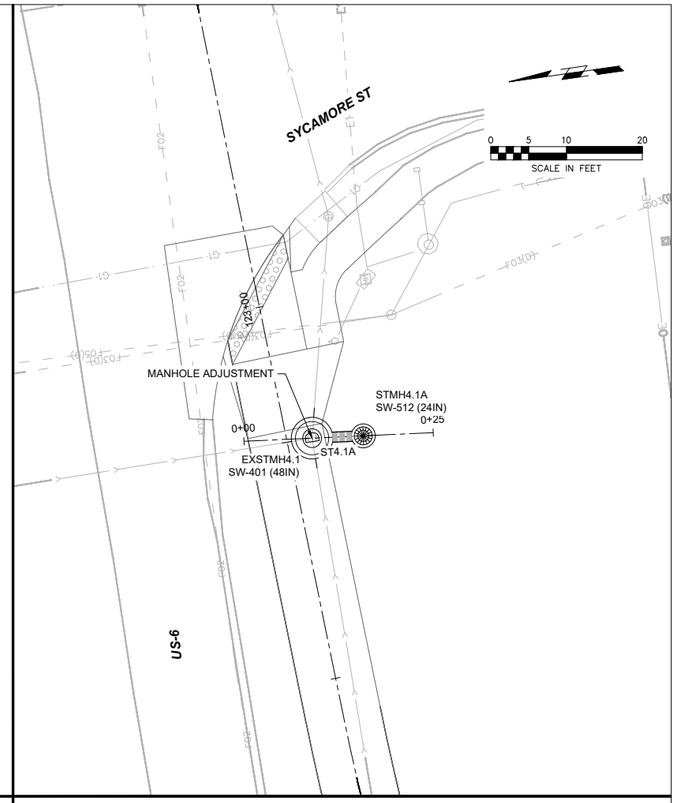


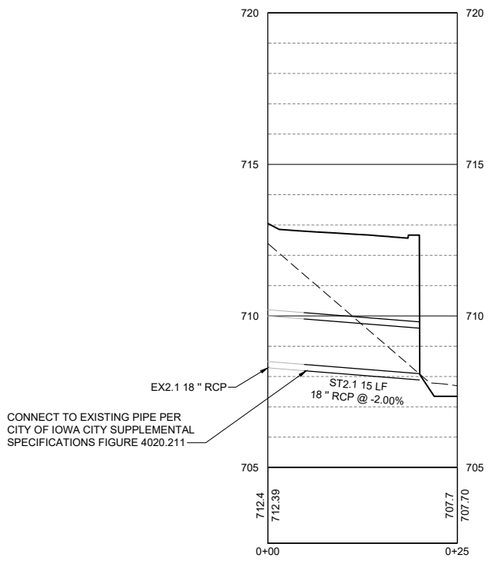
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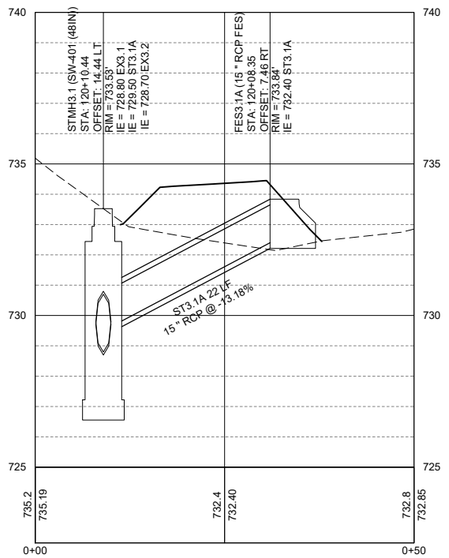
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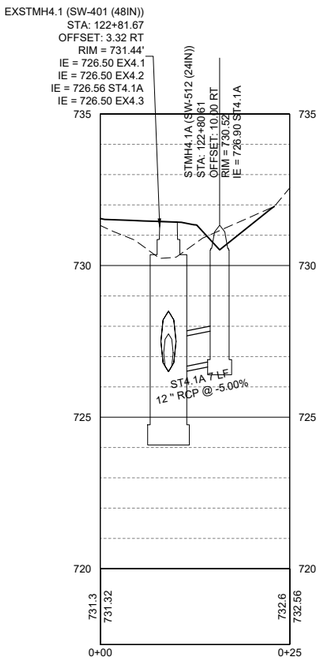






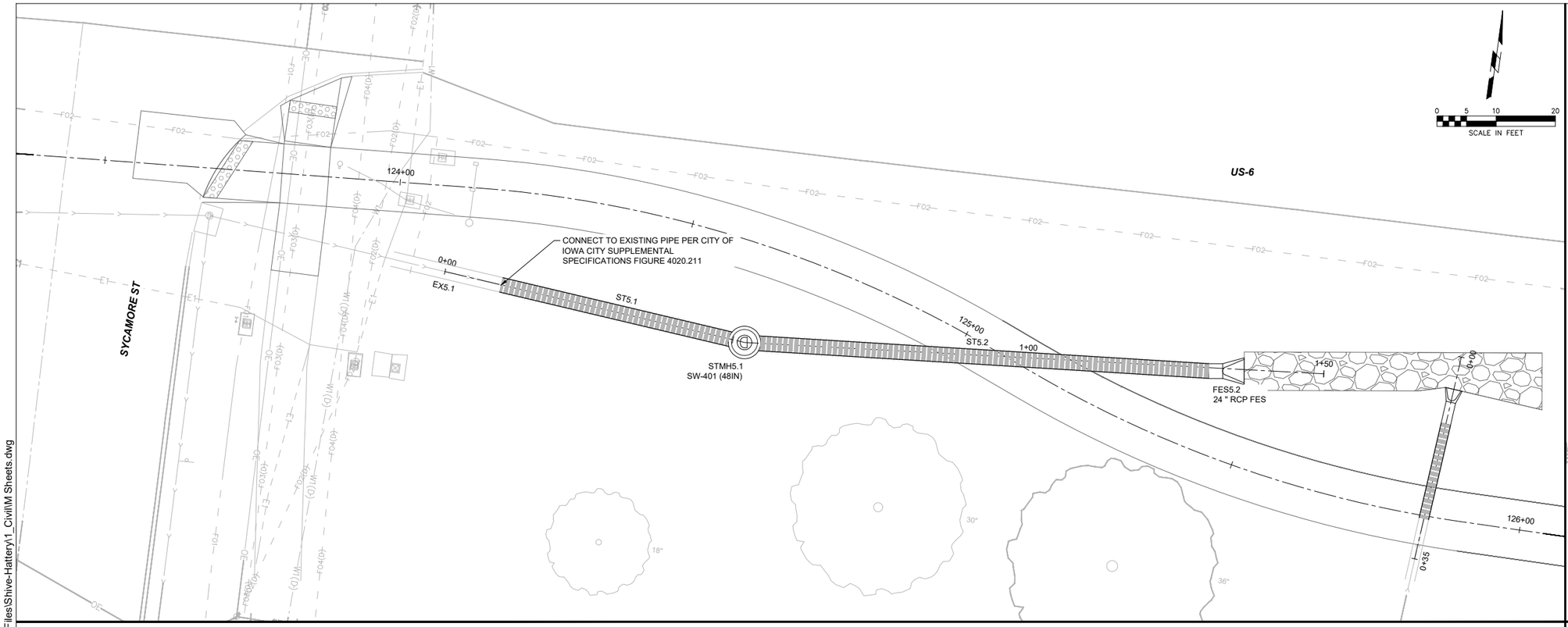


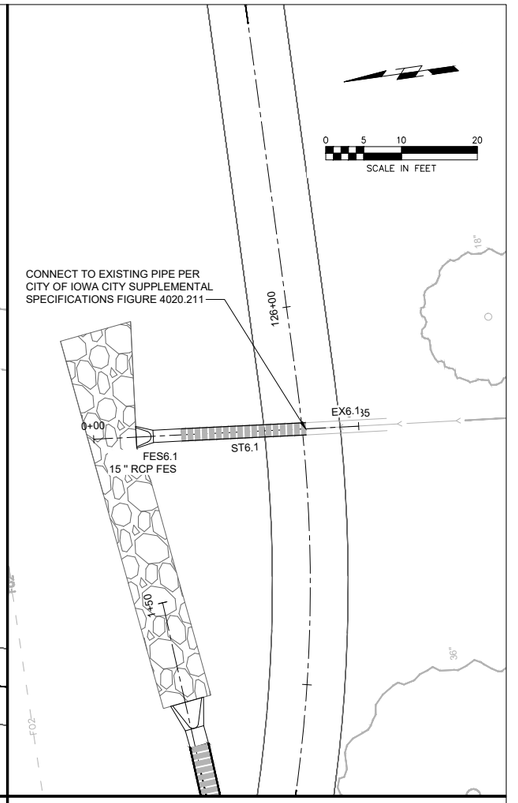


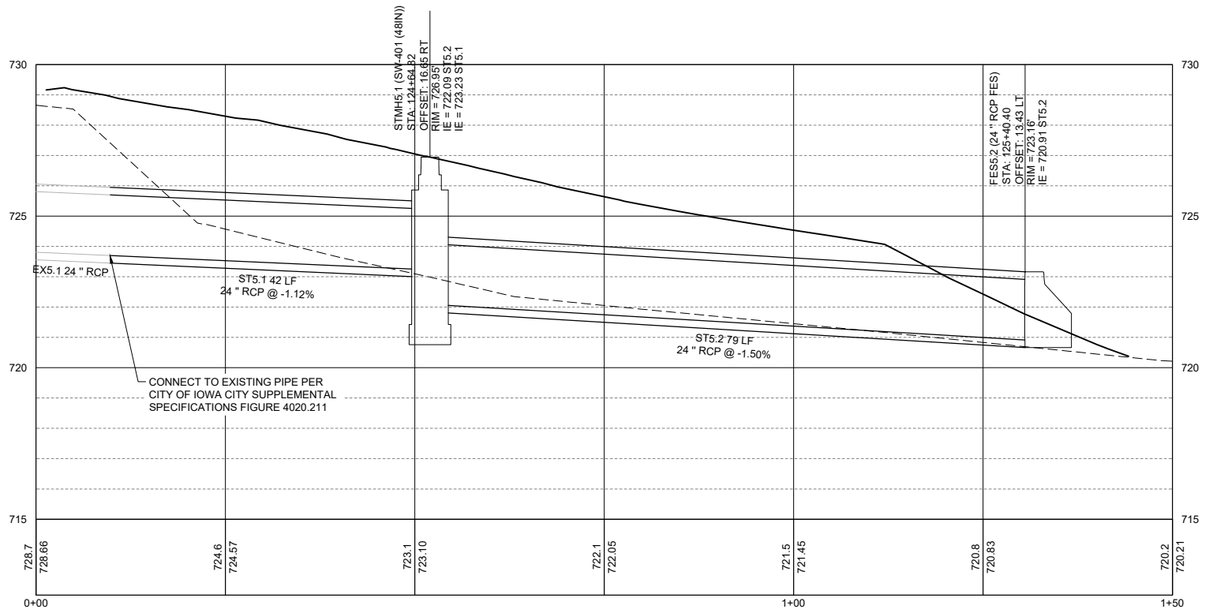


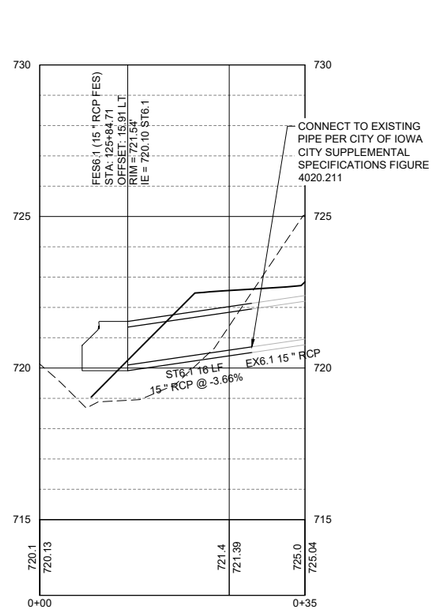
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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	STORM SEWER PLAN AND PROFILE	SHEET NUMBER M.03



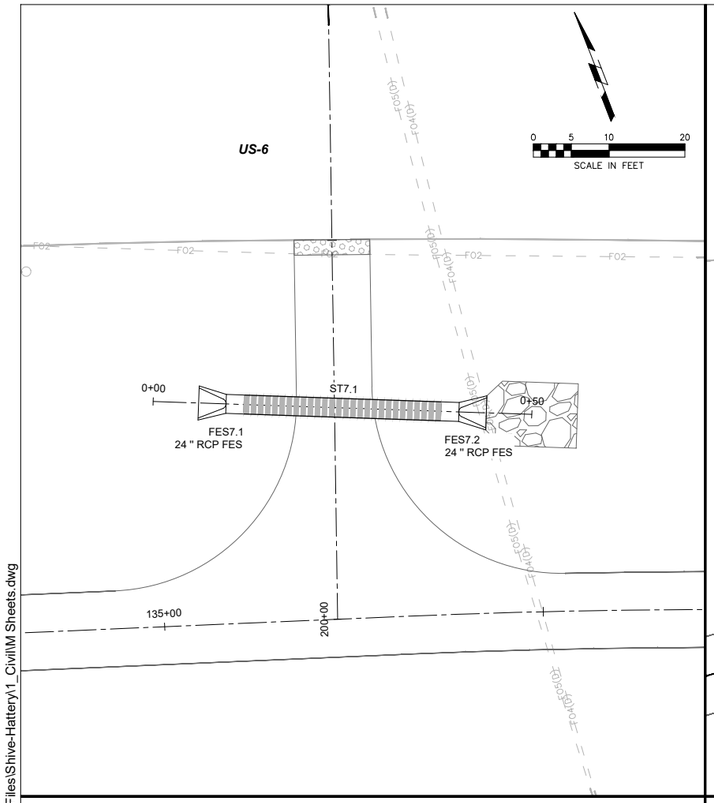


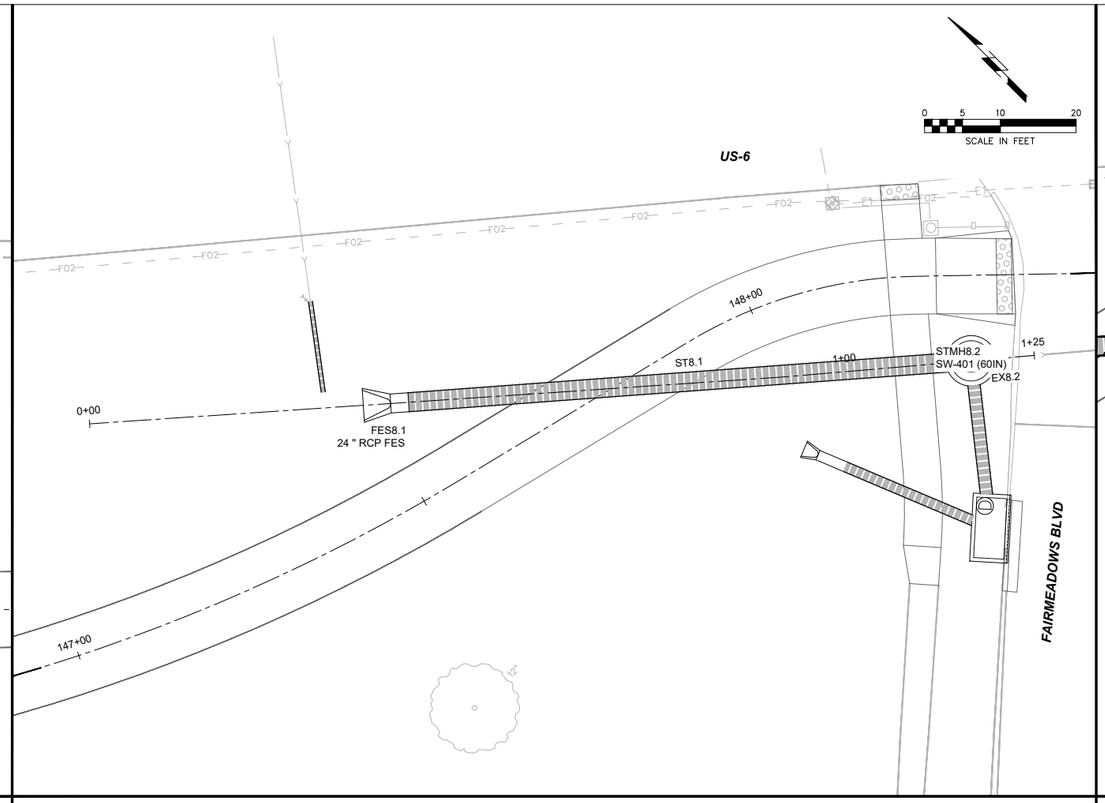


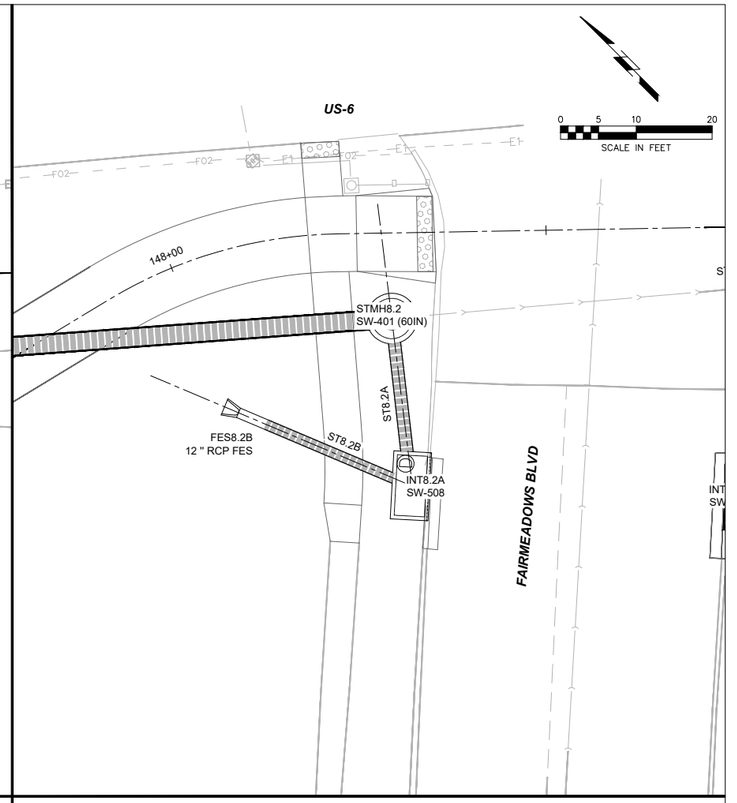


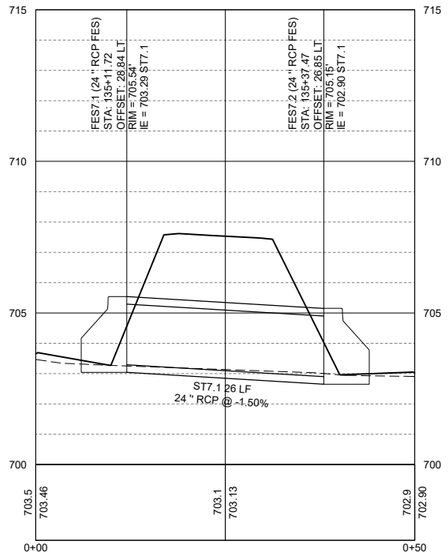
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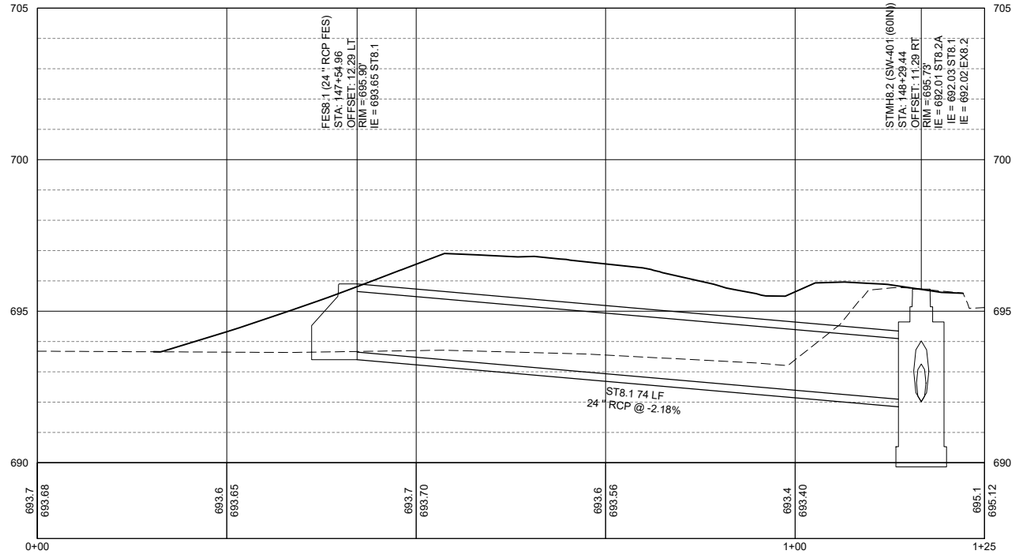
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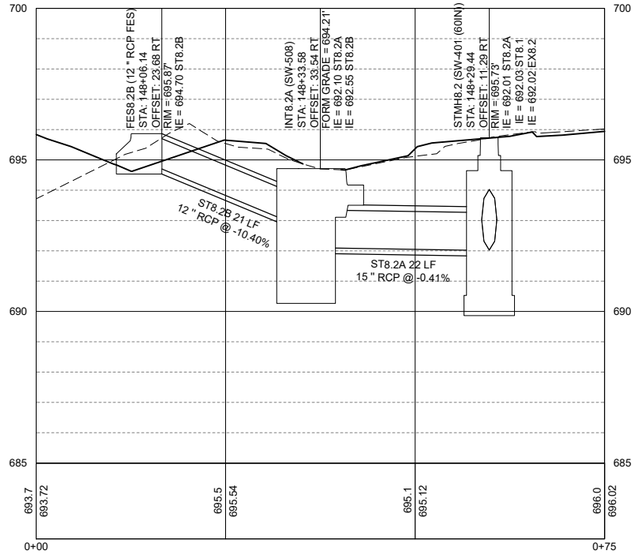








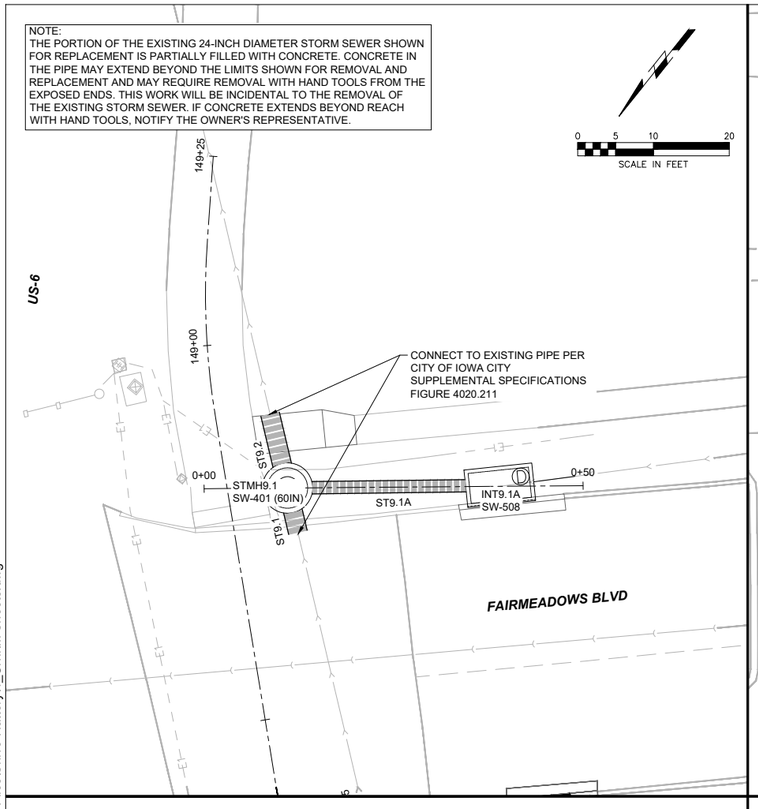


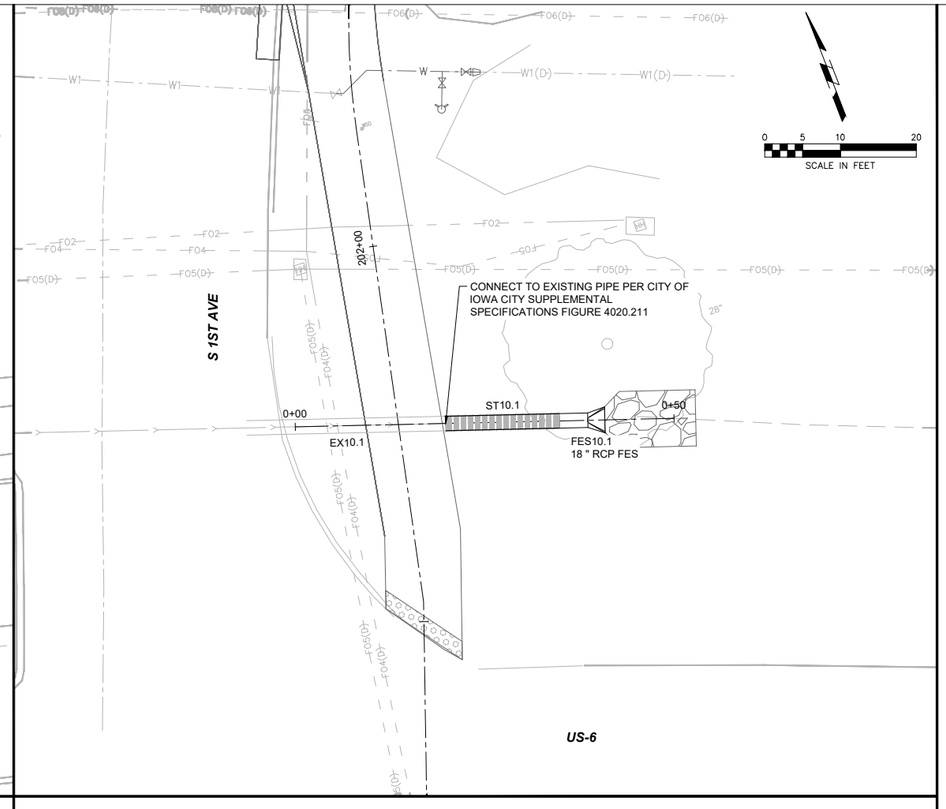


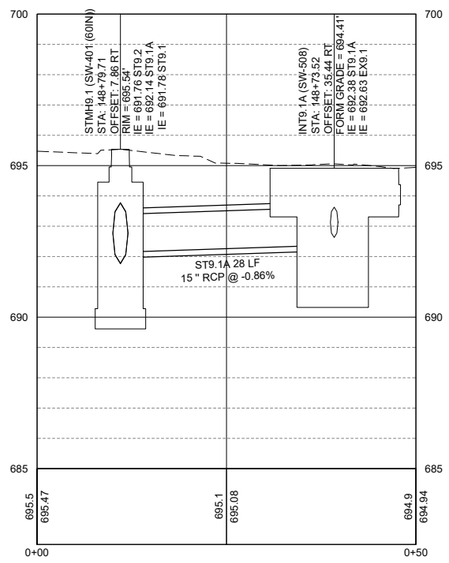
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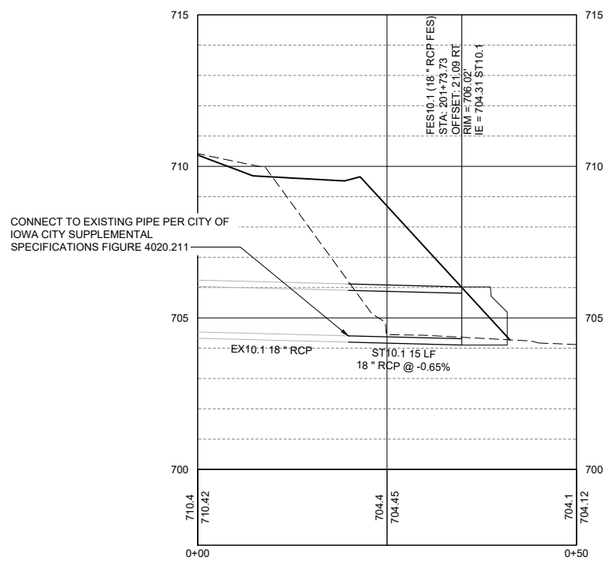
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NOTE:
THE PORTION OF THE EXISTING 24-INCH DIAMETER STORM SEWER SHOWN FOR REPLACEMENT IS PARTIALLY FILLED WITH CONCRETE. CONCRETE IN THE PIPE MAY EXTEND BEYOND THE LIMITS SHOWN FOR REMOVAL AND REPLACEMENT AND MAY REQUIRE REMOVAL WITH HAND TOOLS FROM THE EXPOSED ENDS. THIS WORK WILL BE INCIDENTAL TO THE REMOVAL OF THE EXISTING STORM SEWER. IF CONCRETE EXTENDS BEYOND REACH WITH HAND TOOLS, NOTIFY THE OWNER'S REPRESENTATIVE.



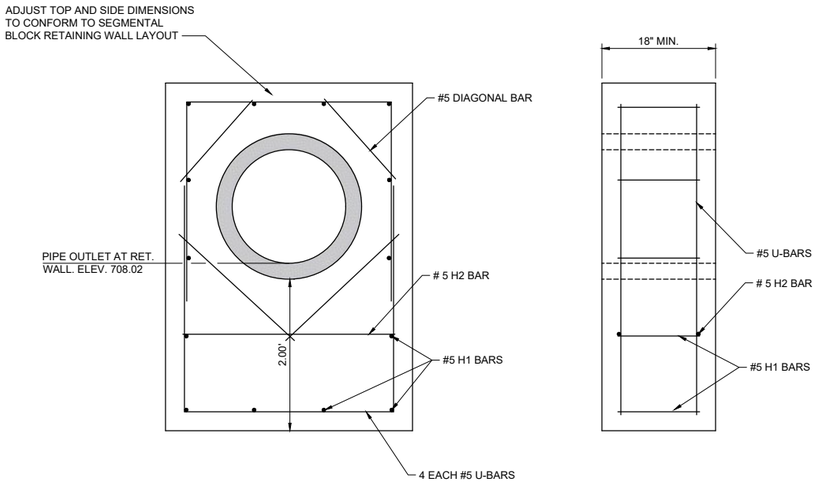






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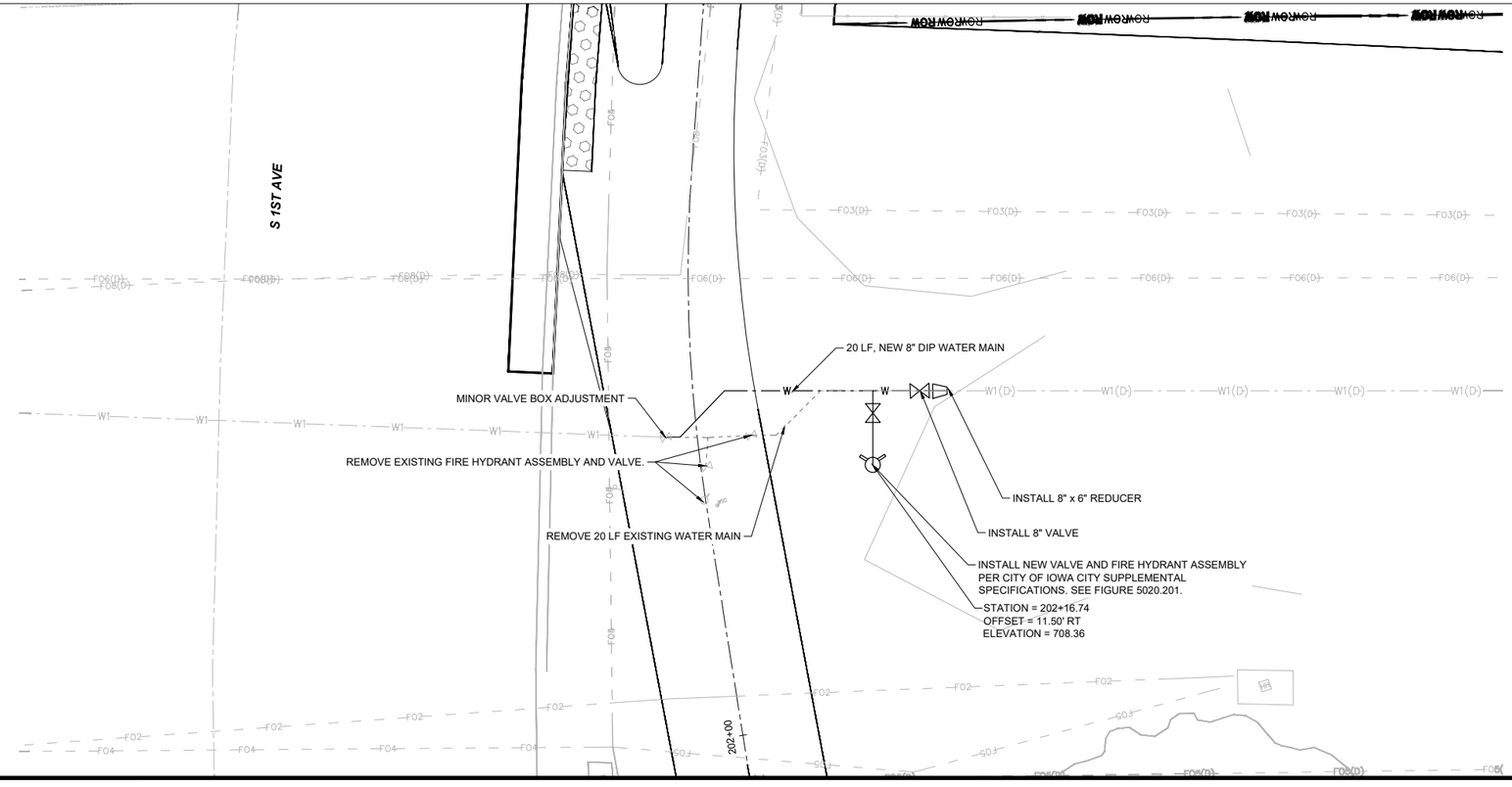


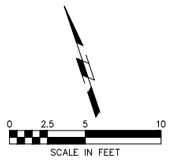
1 CONCRETE HEADWALL DETAIL AT RETAINING WALL (STA. 107+19)

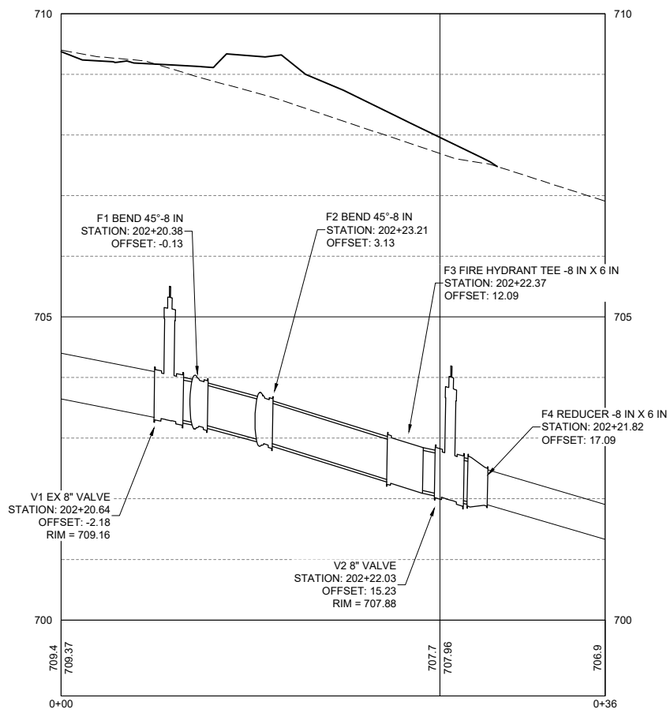
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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	STORM SEWER PLAN AND PROFILE	SHEET NUMBER M.07

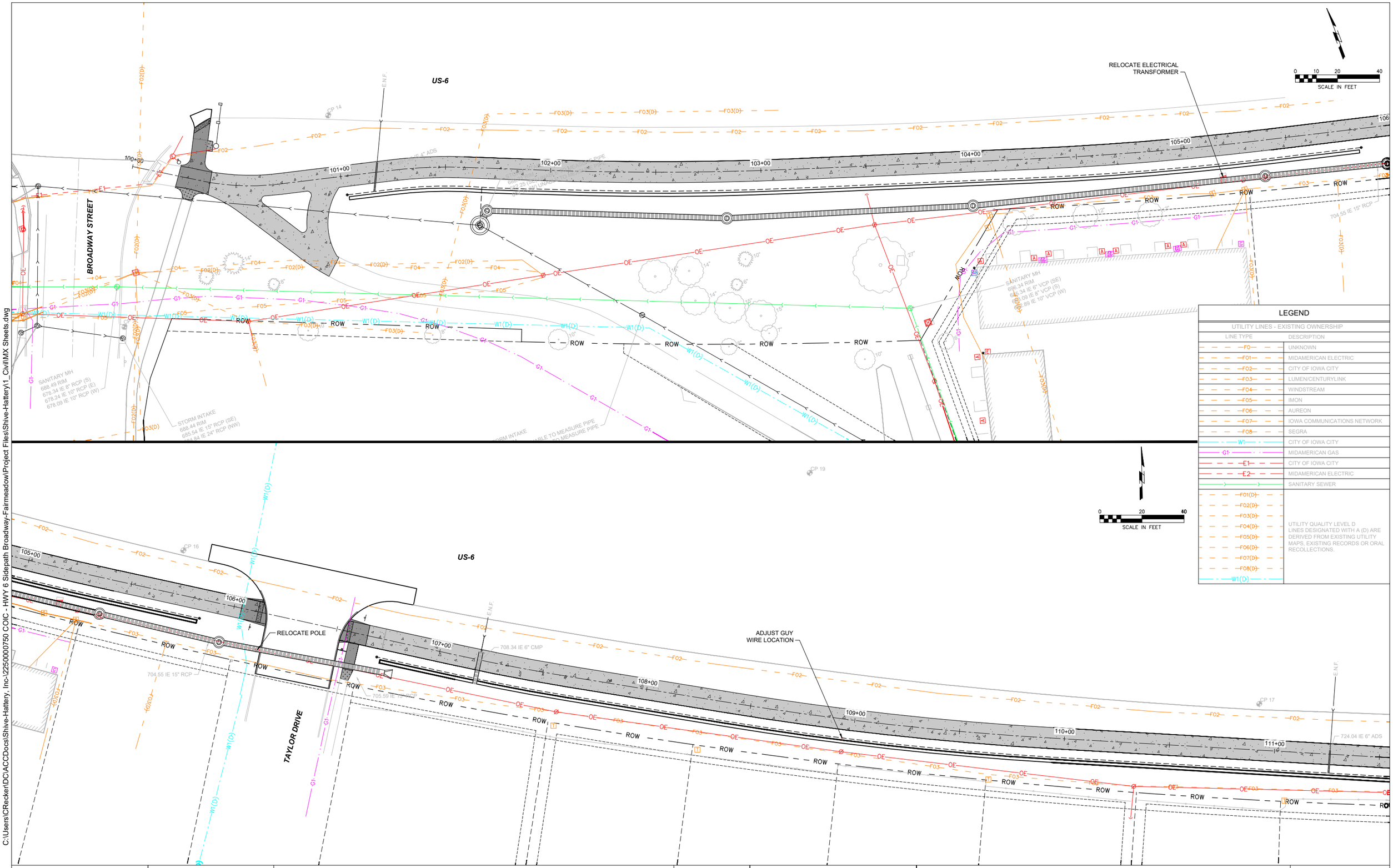






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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Water Main Sheets	SHEET NUMBER MW.01



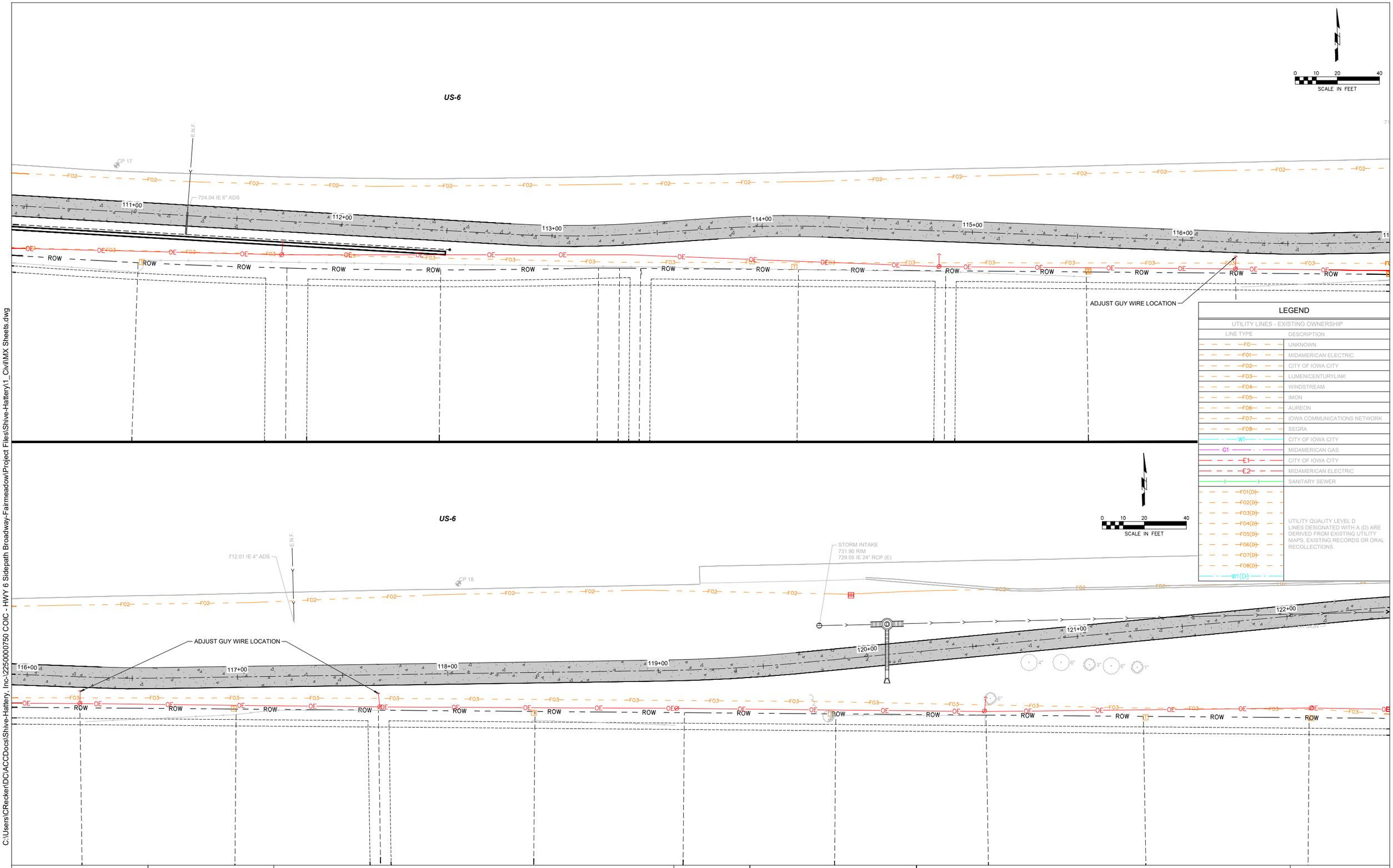
LEGEND

UTILITY LINES - EXISTING OWNERSHIP

LINE TYPE	DESCRIPTION
F0	UNKNOWN
F01	MIDAMERICAN ELECTRIC
F02	CITY OF IOWA CITY
F03	LUMEN/CENTURYLINK
F04	WINDSTREAM
F05	IMON
F06	AUREON
F07	IOWA COMMUNICATIONS NETWORK
F08	SEGRA
W1	CITY OF IOWA CITY
G1	MIDAMERICAN GAS
E1	CITY OF IOWA CITY
E2	MIDAMERICAN ELECTRIC
	SANITARY SEWER
F01(D)	UTILITY QUALITY LEVEL D LINES DESIGNATED WITH A (D) ARE DERIVED FROM EXISTING UTILITY MAPS, EXISTING RECORDS OR ORAL RECOLLECTIONS.
F02(D)	
F03(D)	
F04(D)	
F05(D)	
F06(D)	
F07(D)	
F08(D)	
W1(D)	

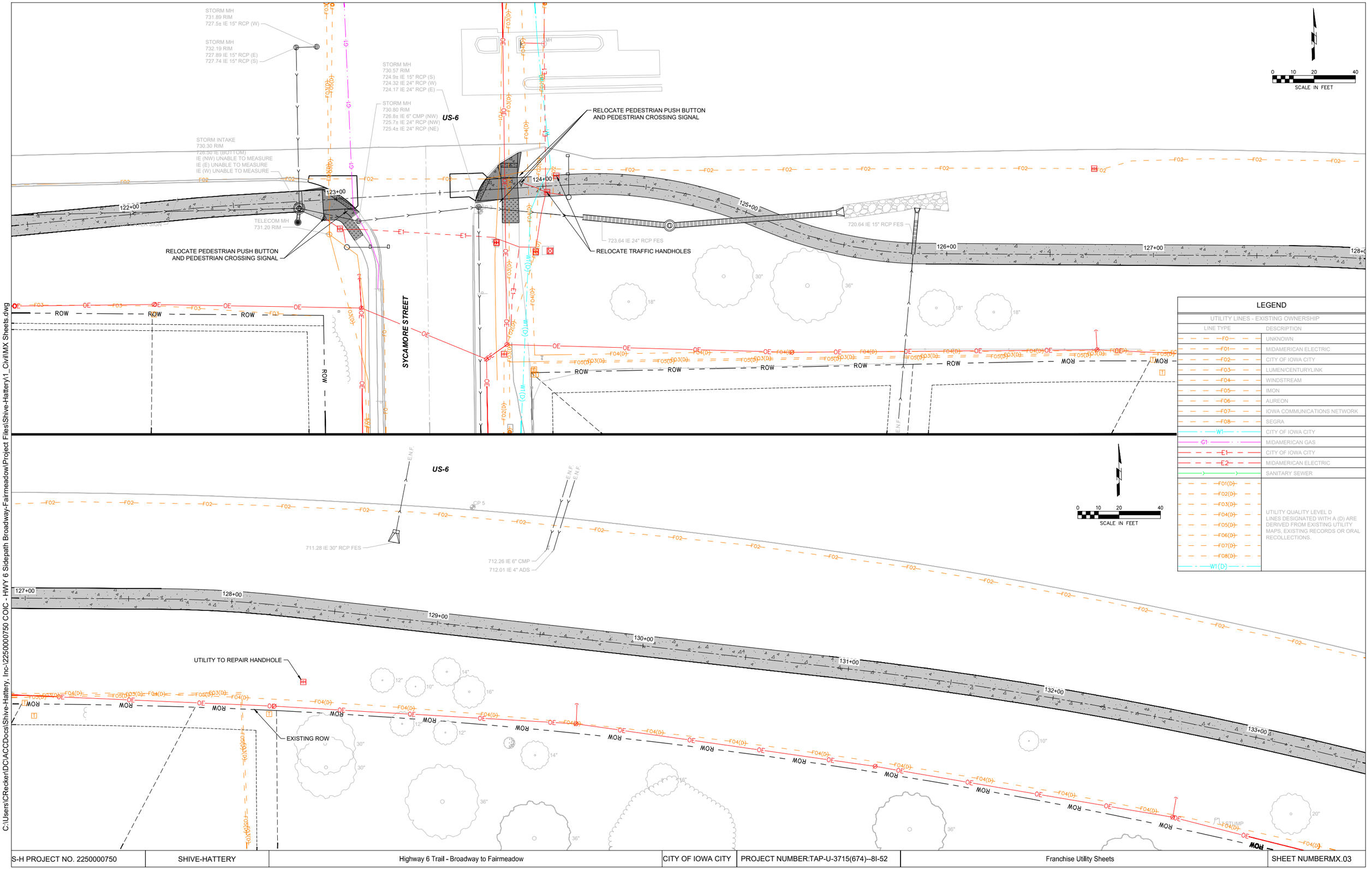
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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Franchise Utility Sheets	SHEET NUMBERMX.02



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Franchise Utility Sheets	SHEET NUMBERMX.03

S 1ST AVENUE

US-6

STORM MH
710.01 RIM
706.5± IE 15" RCP (W)

STORM INTAKE
709.94 RIM
706.4± IE 15" CMP (N)
706.4± IE 15" RCP (E)

706.74 IE 4" ADS

706.5± IE 18" RCP FES

698.56 IE 4" ADS

201+00

200+00

133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00

0 10 20 40
SCALE IN FEET

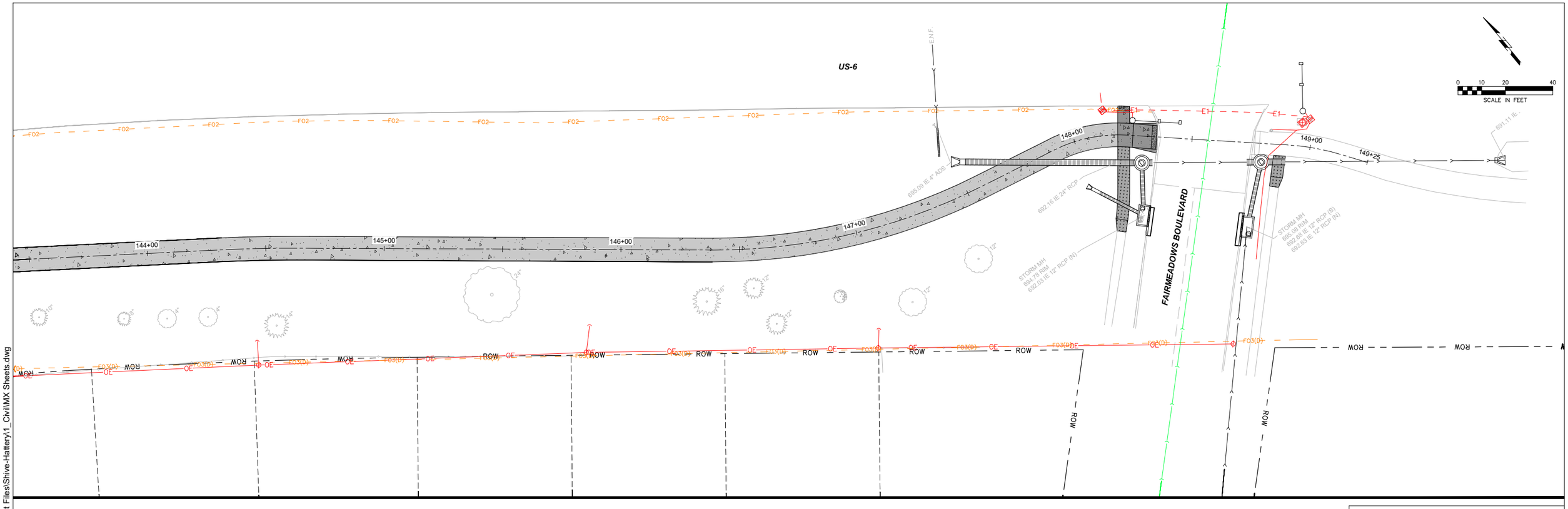
LEGEND

UTILITY LINES - EXISTING OWNERSHIP

LINE TYPE	DESCRIPTION
F0	UNKNOWN
F01	MIDAMERICAN ELECTRIC
F02	CITY OF IOWA CITY
F03	LUMEN/CENTURYLINK
F04	WINDSTREAM
F05	IMON
F06	AUREON
F07	IOWA COMMUNICATIONS NETWORK
F08	SEGRA
W1	CITY OF IOWA CITY
G1	MIDAMERICAN GAS
E1	CITY OF IOWA CITY
E2	MIDAMERICAN ELECTRIC
	SANITARY SEWER
F01(D)	UTILITY QUALITY LEVEL D LINES DESIGNATED WITH A (D) ARE DERIVED FROM EXISTING UTILITY MAPS, EXISTING RECORDS OR ORAL RECOLLECTIONS.
F02(D)	
F03(D)	
F04(D)	
F05(D)	
F06(D)	
F07(D)	
F08(D)	
W1(D)	

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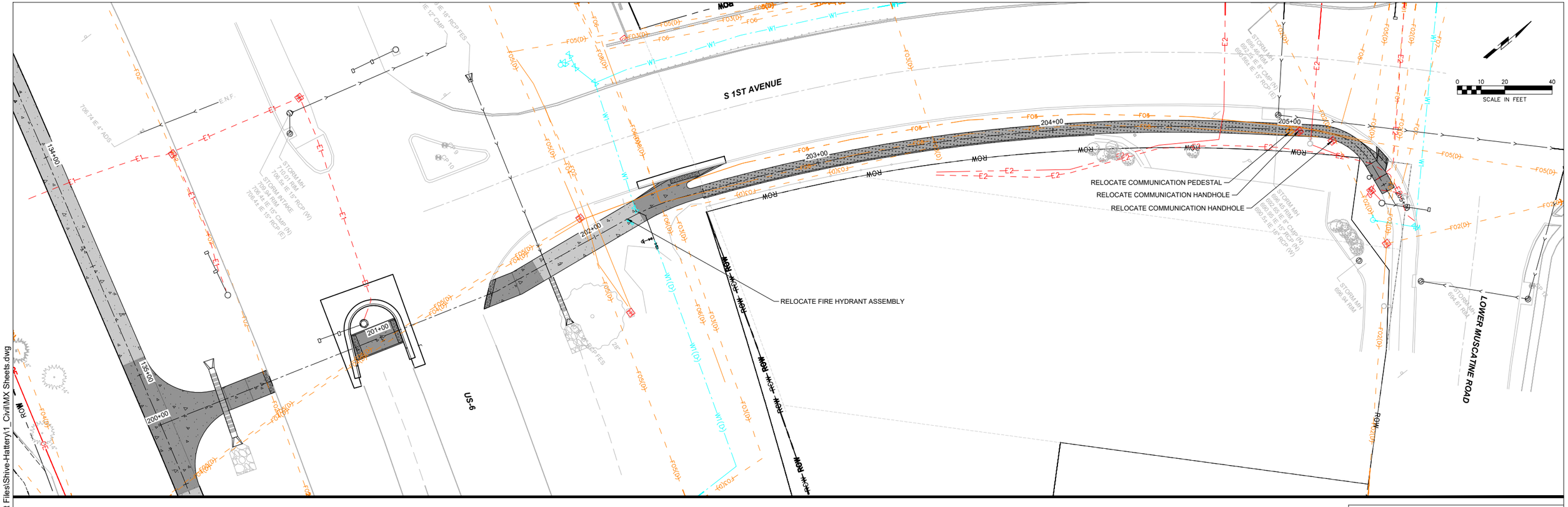
S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Franchise Utility Sheets	SHEET NUMBERMX.04



LEGEND

UTILITY LINES - EXISTING OWNERSHIP	
LINE TYPE	DESCRIPTION
F0	UNKNOWN
F01	MIDAMERICAN ELECTRIC
F02	CITY OF IOWA CITY
F03	LUMEN/CENTURYLINK
F04	WINDSTREAM
F05	IMON
F06	AUREON
F07	IOWA COMMUNICATIONS NETWORK
F08	SEGRA
W1	CITY OF IOWA CITY
G1	MIDAMERICAN GAS
E1	CITY OF IOWA CITY
E2	MIDAMERICAN ELECTRIC
	SANITARY SEWER
F01(D) F02(D) F03(D) F04(D) F05(D) F06(D) F07(D) F08(D) W1(D)	UTILITY QUALITY LEVEL D LINES DESIGNATED WITH A (D) ARE DERIVED FROM EXISTING UTILITY MAPS, EXISTING RECORDS OR ORAL RECOLLECTIONS.

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LEGEND

UTILITY LINES - EXISTING OWNERSHIP	
LINE TYPE	DESCRIPTION
F0	UNKNOWN
F01	MIDAMERICAN ELECTRIC
F02	CITY OF IOWA CITY
F03	LUMEN/CENTURYLINK
F04	WINDSTREAM
F05	IMON
F06	AUREON
F07	IOWA COMMUNICATIONS NETWORK
F08	SEGRA
W1	CITY OF IOWA CITY
G1	MIDAMERICAN GAS
E1	CITY OF IOWA CITY
E2	MIDAMERICAN ELECTRIC
	SANITARY SEWER
F01(D)	UTILITY QUALITY LEVEL D LINES DESIGNATED WITH A (D) ARE DERIVED FROM EXISTING UTILITY MAPS, EXISTING RECORDS OR ORAL RECOLLECTIONS.
F02(D)	
F03(D)	
F04(D)	
F05(D)	
F06(D)	
F07(D)	
F08(D)	
W1(D)	

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Franchise Utility Sheets	SHEET NUMBERMX.06

GENERAL NOTES

1. THE LOCATION OF ALL UTILITIES ON THE PLANS ARE TAKEN FROM EXISTING PUBLIC RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND SHALL NOT BE SEPARATELY COMPENSATED FOR DELAYS OR EXTRA COST.
2. IOWA CODE 480, UNDERGROUND FACILITIES INFORMATION, REQUIRES NOTICE TO IOWA ONE CALL, 1-800-292-8989, NOT LESS THAN A 48 HOUR PERIOD BEFORE EXCAVATING, EXCLUDING WEEKENDS AND LEGAL HOLIDAYS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES OUTSIDE THE CONSTRUCTION LIMITS RESULTING FROM NEGLIGENCE.
4. CONTRACTOR SHALL COORDINATE TEMPORARY DISRUPTION OF UTILITY SERVICES WITH THE CITY OF IOWA CITY AND/OR AFFECTED UTILITY COMPANIES WHEN RELOCATING EXISTING FACILITIES OR CONNECTING TO THE EXISTING FACILITIES.
5. POTHOLE EACH FOOTING FOUNDATION LOCATION TO CONFIRM UTILITY LOCATIONS PRIOR TO FOOTING INSTALLS. NOTIFY ENGINEER OF ANY UTILITIES FOUND WITHIN SIGNAL FOOTING FOOTPRINT.
6. ALL CONSTRUCTION SHALL CONFORM TO THE MOST RECENT EDITIONS OF THE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) AND THE CITY OF IOWA CITY SUPPLEMENTAL SPECIFICATIONS EXCEPT AS MODIFIED HEREIN. THE CITY OF IOWA CITY SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN IN THE EVENT OF ANY DISCREPANCIES.
7. ALL QUANTITIES SHOWN IN THE PLANS AND SPECIFICATIONS ARE FOR INFORMATIONAL AND ESTIMATING PURPOSES ONLY. THE CONTRACTORS BID FOR THIS PROJECT SHALL INCLUDE ALL LABOR EQUIPMENT AND MATERIALS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL TRAFFIC SIGNAL INSTALLATION. TRAFFIC SIGNAL QUANTITIES WILL NOT BE MEASURED.
8. CONTRACTOR SHALL REFER TO THE MOST RECENT EDITION OF THE IOWA CITY SUPPLEMENTAL CONSTRUCTION SPECIFICATIONS FOR PRESCRIBED MANUFACTURERS AND MODELS OF EQUIPMENT FOR CONTROLLER, CABINET, PEDESTRIAN PUSH BUTTONS, ETC.
9. TRAFFIC SIGNAL POLES, PEDESTAL POLES, PEDESTRIAN PUSH BUTTON POLES, AND MAST ARMS SHALL HAVE A GALVANIZED FINISH.
10. ALL SIGNAL INDICATIONS SHALL BE LOW VOLTAGE LED IN ACCORDANCE WITH MOST RECENT ITE SPECIFICATIONS.
11. VIDEO DETECTION SHALL BE THE "ITERIS VANTAGE NEXT" CAMERA SYSTEM INCLUDING ALL SOFTWARE, HARDWARE, WIRING, AND OTHER ACCESSORIES REQUIRED FOR A FULLY-FUNCTIONING SYSTEM.
12. THE CONTRACTOR HAS THE OPTION TO TRENCH OR BORE CONDUIT, HOWEVER, PAVEMENT SHALL NOT BE DISTURBED DURING CONSTRUCTION UNLESS NOTED ON THE PLANS. AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
13. HANDHOLE LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER PRIOR TO ANY MODIFICATIONS.
14. CONTRACTOR SHALL FURNISH A SCHEDULE OF UNIT PRICES FOR ESTIMATED TRAFFIC SIGNAL QUANTITIES.
15. TRAFFIC SIGNAL POLE FOUNDATIONS SHALL USE CIRCULAR FOOTING TOPS. THE TOP OF FOOTING SHOULD BE 2" ABOVE FINISHED GRADE. TOP OF FOUNDATION SHOULD HAVE A 1" CHAMFER ON TOP OF FOUNDATION.
16. UPON THE COMPLETION OF PROJECT, THE CONTRACTOR SHALL PROVIDE THE CITY OF IOWA CITY WITH AS-BUILT DRAWINGS OF THE TRAFFIC SIGNAL AND ALL APPURTENANCES INSTALLED PER THE CONTRACT DOCUMENTS.
17. PROVIDE 72 HOURS NOTICE TO THE CITY OF IOWA CITY BEFORE PLACING TRAFFIC SIGNALS INTO OPERATION. SIGNAL HEADS SHALL BE BAGGED UNTIL OPERATION.
18. CONTRACTOR TO COORDINATE WITH CITY OF IOWA CITY TRAFFIC STAFF PRIOR, DURING, AND UPON COMPLETION OF THE TRAFFIC SIGNALIZATION WORK.
19. COORDINATE AND SALVAGE TRAFFIC SIGNAL EQUIPMENT TO CITY OF IOWA CITY TRAFFIC STAFF.

TRAFFIC SIGNALIZATION/FIBER INTERCONNECT LUMP SUM ITEM QUANTITIES

ITEM		UNIT	QUANTITIY	AS-BUILT QUANTITY
TRAFFIC SIGNAL HEADS	VEHICLE SIGNAL HEAD - R,Y,G W/ BACKPLATE, MAST ARM MOUNTED	EA	4	
	VEHICLE SIGNAL HEAD - <R,<Y,<FY, <G W/ BACKPLATE, MAST ARM MOUNTED	EA	1	
DETECTION	VIDEO DETECTION SYSTEM	LS	1	
POWER SUPPLY	ELECTRICAL SERVICE	EA	1	
HANDHOLES	PRECAST CONCRETE COMPOSITE HANDHOLE, TYPE II	EA	6	
WIRE AND CABLE (INCLUDES QUANTITIES WITHIN SIGNAL POLES AND MAST ARMS)	SIGNAL CABLE - 9C #14	LF	1,676	
	SIGNAL CABLE - 7C #14	LF	347	
	SIGNAL CABLE - 5C #14	LF	1,187	
	SIGNAL CABLE - 3C #14	LF	1,676	
	VIDEO DETECTION - VIDEO	LF	618	
	LIGHTING - 1C #8	LF	578	
	TRACER - 1C #10	LF	700	
	GROUND - 1C #6	LF	700	
CONDUIT	2" PVC (SCH 80), TRENCHED	LF	73	
	3" PVC (SCH 80), TRENCHED	LF	24	
	4" PVC (SCH 80), TRENCHED	LF	122	
	4" PVC (SCH 80), PUSHED	LF	222	
CONCRETE FOOTINGS	POLE FOOTING (TYPE A) - DEPTH VARRIES SEE PLANS FOR DETAILS	EA	2	
	POLE FOOTING (TYPE P) - 1.5' DIA X 4' DEPTH	EA	6	
TRAFFIC SIGNAL POLES	COMBINATION SIGNAL POLE/LUMINAIRE ARM - BLACK POWDER-COATED W/ 35' MAST ARM	EA	1	
	COMBINATION SIGNAL POLE/LUMINAIRE ARM - BLACK POWDER-COATED W/ 60' MAST ARM	EA	1	
MISC	LED LUMINAIRE LIGHT FIXTURES	EA	2	
	PEDESTRIAN PUSH BUTTON	EA	7	
	PEDESTRIAN PUSH BUTTON POLE	EA	6	
	PEDESTRIAN SIGNAL HEAD WITH COUNT DOWN TIMER	EA	7	
SIGNS	TRAFFIC SIGN - R3-5L	EA	1	
	TRAFFIC SIGN - R10-12a	EA	1	
	TRAFFIC SIGN - D3-1 (S 1ST AVENUE)	EA	2	

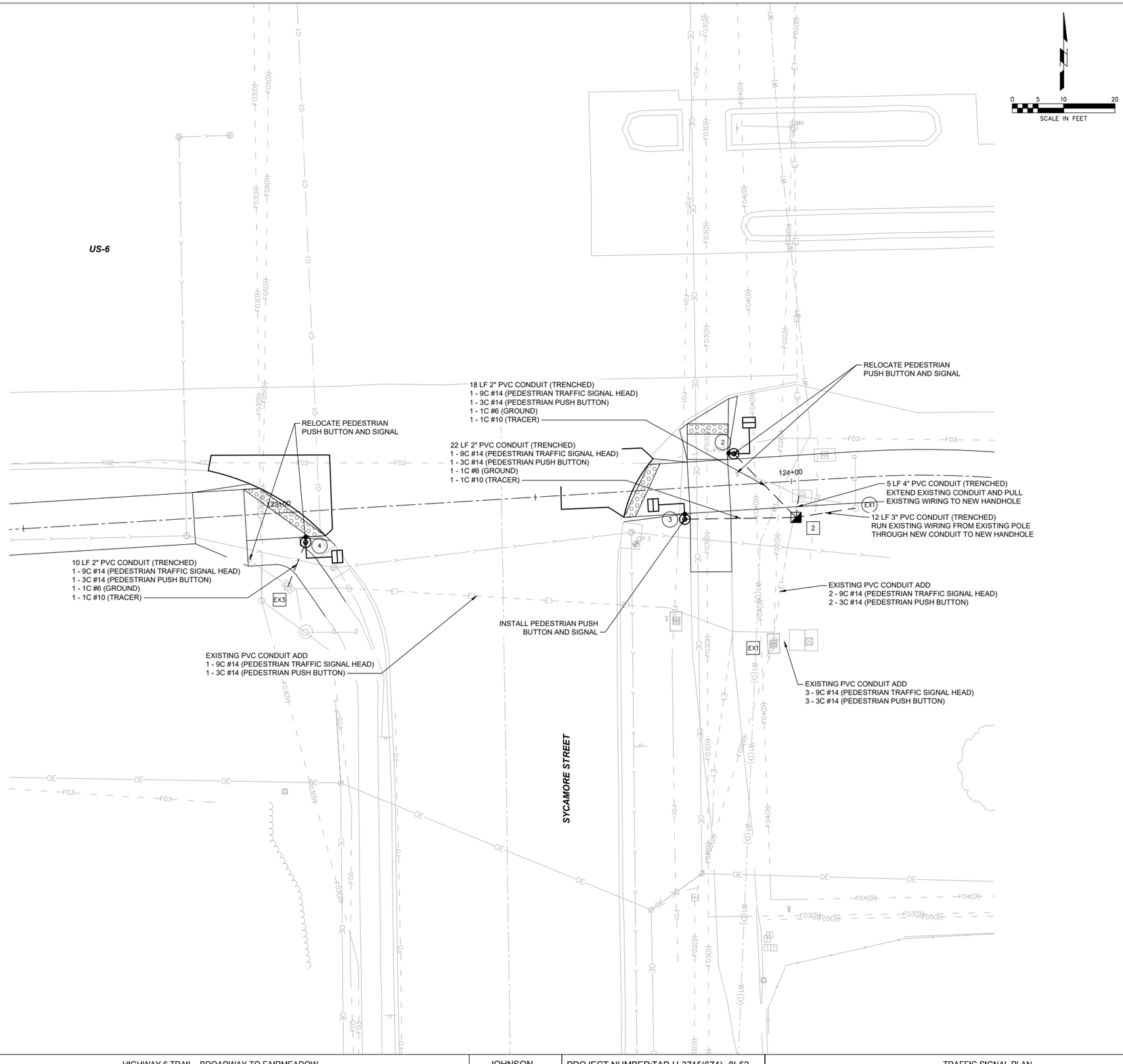
LEGEND

TRAFFIC SIGNAL	
PLAN MARK	DESCRIPTION
(XX')	EXISTING MAST ARM (LENGTH)
	FUTURE SIGNAL HEAD
	SIGNAL BASE
	PEDESTAL BASE
	PUSHBUTTON
(XX')	MAST ARM (LENGTH)
	LUMINAIRE
	SIGNAL HEAD W/ BACKPLATE
	PEDESTRIAN SIGNAL HEAD
	VIDEO CAMERA
	OPTICOM DETECTION
	OPTICOM DETECTION
SIGN	MAST ARM / POLE MOUNTED SIGN
	CONTROLLER
	HANDHOLE
	CONDUIT
##	VIDEO DETECTION ZONE
	GROUND MOUNTED SIGN
##	SIGNAL POLE LABEL
##	HANDHOLE LABEL
##	SIGNAL HEAD LABEL
NUM	PEDESTRIAN HEAD LABEL

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TRAFFIC SIGNAL FACES

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	TRAFFIC SIGNAL PLAN	SHEET NUMBER N.02

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CONDUIT SCHEDULE

FROM	TO	CTR TO CTR DISTANCE	PUSHED PVC	TRENCH PVC			REMARKS
			4"	2"	3"	4"	
EX HH3	P4	10		10			
HH2	P3	22		22			
HH2	P2	18		18			
HH2	EX P1	12			12		
HH2		5				5	CONNECT TO EXISTING CONDUIT
TOTAL			0	50	12	5	

NOTES:
HH - HANDHOLE
P - POLE BASE
EX - EXISTING

CABLE SCHEDULE

FROM	TO	CTR TO CTR DISTANCE	POWER		CONTROL						ACCESS POINT		DETECTION		LIGHTING		INTERCONNECT		TRACER		GROUND		REMARKS
			1c #8		9c #14		7c #14		5c #14		3c #14		CAT 5e		CAT 5e		1c #8		12 COUNT FIBER		1c #10		1c #6		
			#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	
EX HH3	P4	10			1	23					1	23									1	23	1	23	
EX HH3	EX HH1	96			1	101					1	101													
HH2	P3	22			1	35					1	35									1	35	1	35	
HH2	P2	18			1	31					1	31									1	31	1	31	
HH2	EX P1	12																							PULL EXISTING WIRING
HH2		5																							PULL EXISTING WIRING
HH2	EX HH1	25			2	60					2	60													
EX HH1	CAB	5			3	60					3	60													
			0		309		0		0		309		0		0		0		0		88		88		Subtotal
			0		31		0		0		31		0		0		0		0		9		9		10% Cutting & Splicing
TOTAL			**0**		**339**		**0**		**0**		**339**		**0**		**0**		**0**		**0**		**96**		**96**		

BASES AND HANDHOLES SCHEDULE

ITEM NO.	LOCATION			BASES		HANDHOLES			REMARKS
	STATION	OFFSET		TYPE A	TYPE P	TYPE II	TYPE III	TYPE IV	
HH2	124+00.49	7.08'	RT			1			
P2	123+89.15	6.05'	LT		1				
P3	123+78.83	6.11'	RT		1				
P4	123+04.77	6.04'	RT		1				
TOTALS				0	3	1	0	0	

Notes:
1) All locations to center of pole base/handhole.
2) Top of Foundation = 3" above Proposed Grade.
3)
4)

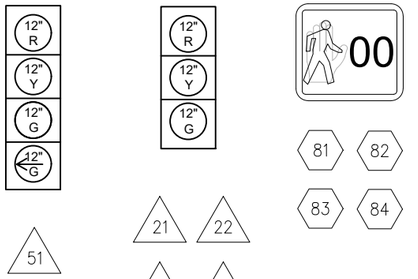
POLES AND MAST ARMS SCHEDULE

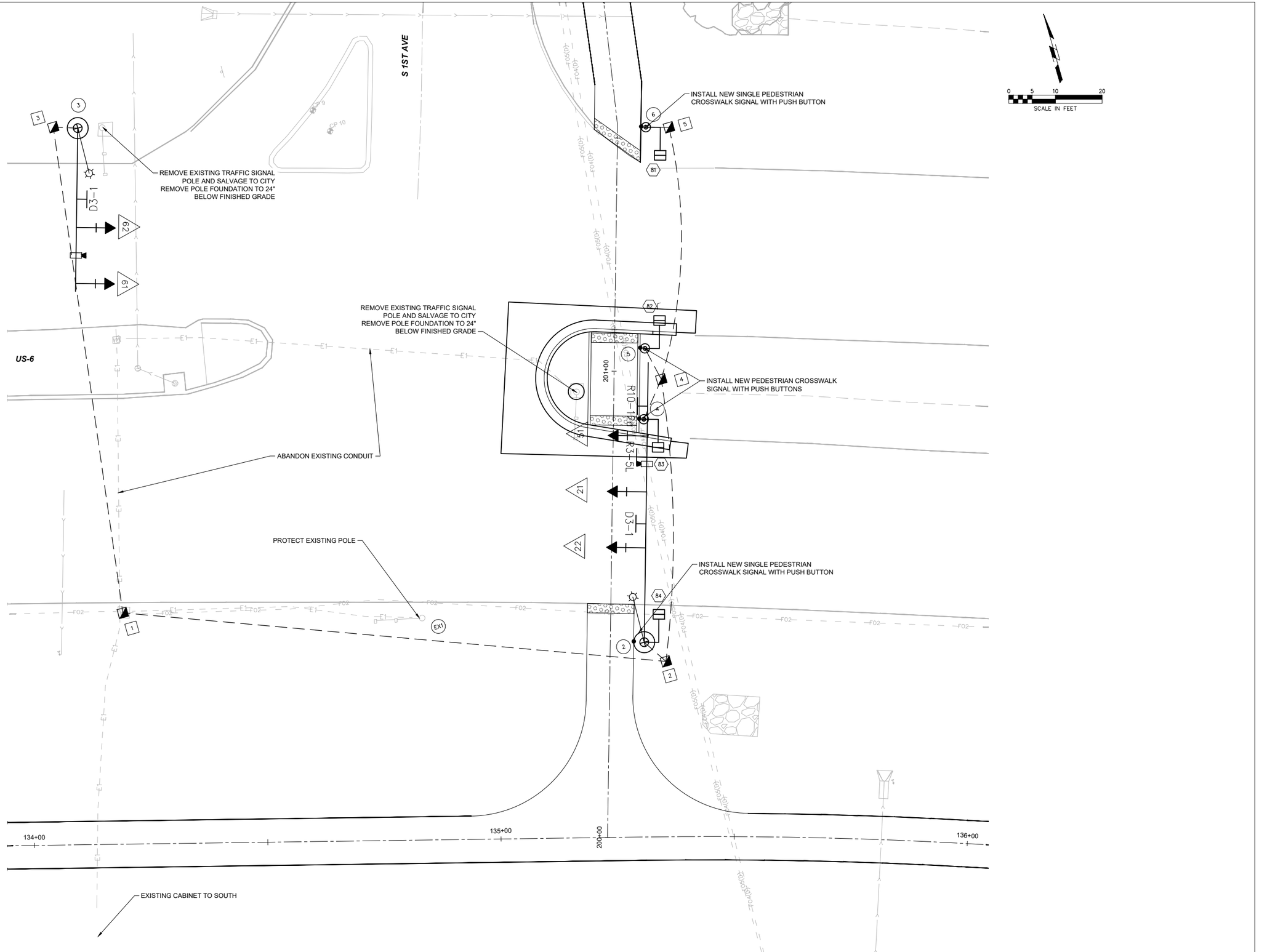
POLE NO.	DETAILS								MAST ARM	POLE	LUMINAIRE					FOOTING		
	POLE TYPE	MAST ARM LENGTH	SIGNAL HEAD SPACING					CONNECTION DETAIL	MOUNTING HEIGHT	POLE HEIGHT	MOUNTING HEIGHT	ARM LENGTH	ROTATION	NOTE	DIAMETER	DEPTH PER SCHEDULE	TOP OF FOOTING
			B	C	D	CAM	P										
P2	PEDESTRIAN PUSH BUTTON PEDESTAL									12					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK
P3	PEDESTRIAN PUSH BUTTON PEDESTAL									12					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK
P4	PEDESTRIAN PUSH BUTTON PEDESTAL									12					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK

Notes:
1) ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS WITH AUDITORY COMPONENT
2) SIGNAL LOCATION IS TO CENTER OF SIGNAL HEAD MEASURED OUT TO MAST ARM FROM POLE
3) SIGN LOCATION IS TO CENTER OF SIGN MEASURED OUT TO MAST ARM FROM POLE
4) TOP OF COMBINATION POLE FOOTINGS SHALL BE A MINIMUM OF 3" ABOVE FINISHED GROUND. DEPTH OF FOOTING IS TO FINISHED GROUND ELEVATION
5) TOP OF PEDESTAL AND PEDESTRIAN PUSH BUTTON FOOTINGS SHALL BE A MINIMUM OF 2" ABOVE FINISHED GROUND AND FLUSH WITH ADJACENT PAVEMENT

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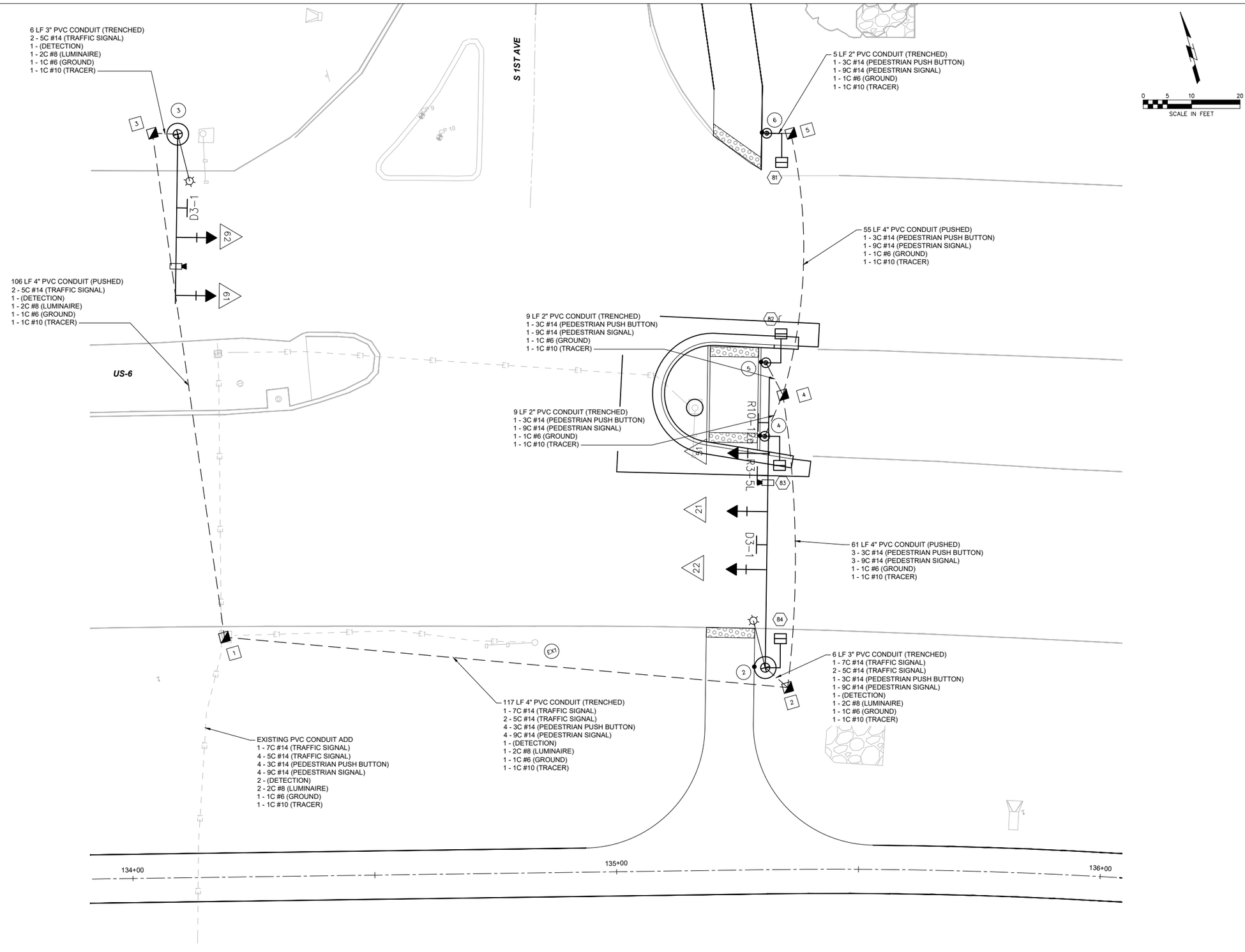
TRAFFIC SIGNAL FACES





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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	TRAFFIC SIGNAL PLAN	SHEET NUMBER N.04



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	TRAFFIC SIGNAL PLAN	SHEET NUMBER N.05

CONDUIT SCHEDULE

FROM	TO	CTR TO CTR DISTANCE	PUSHED PVC	TRENCH PVC			REMARKS
			4"	2"	3"	4"	
EX CAB	HH1	80					EXISTING CONDUIT
HH1	HH2	117				117	
HH2	P2	6			6		
HH2	HH4	61	61				
HH4	P4	9		9			
HH4	P5	9		9			
HH4	HH5	55	55				
HH5	P6	5		5			
HH1	HH3	106	106				
HH3	P3	6			6		
TOTAL			222	23	12	117	

NOTES:
HH - HANDHOLE
P - POLE BASE
EX - EXISTING

BASES AND HANDHOLES SCHEDULE

ITEM NO.	LOCATION			BASES		HANDHOLES			REMARKS
	STATION	OFFSET		TYPE A	TYPE P	TYPE II	TYPE III	TYPE IV	
HH1	134+19.60	49.60'	LT			1			
HH2	135+35.71	37.60'	LT			1			
HH3	134+06.13	153.95'	LT			1			
HH4	135+35.30	98.11'	LT			1			
HH5	135+37.18	152.12'	LT			1			
P2	135+31.29	41.76'	LT	1					
P3	134+11.38	153.68'	LT	1					
P4	135+31.80	89.57'	LT		1				
P5	135+32.19	104.76'	LT		1				
P6	135+32.89	152.18'	LT		1				
TOTALS				2	3	5	0	0	

Notes:
1) All locations to center of pole base/handhole.
2) Top of Foundation = 3" above Proposed Grade.
3)
4)

SUGGESTED SIGNAL TIMINGS, AM

Phase	1	2	3	4	5	6	7	8
Movement	EBL	WBT		SBL		EBT		
Min Green	5.0	10.0		7.0		10.0		
Max Green	30.3	29.3		24.0		65.3		
Vehicle Extension	2.5	3.0		2.5		3.0		
Yellow Change	3.7	4.7		3.0		4.7		
Red Clearance	2.0	1.0		2.0		1.0		
Walk				7.0				
Pedestrain Clearance				25.0				
Offset = 0								

SUGGESTED SIGNAL TIMINGS, PM

Phase	1	2	3	4	5	6	7	8
Movement	EBL	WBT		SBL		EBT		
Min Green	5.0	10.0		7.0		10.0		
Max Green	32.3	21.3		30.0		59.3		
Vehicle Extension	2.5	3.0		2.5		3.0		
Yellow Change	3.7	4.7		3.0		4.7		
Red Clearance	2.0	1.0		2.0		1.0		
Walk				7.0				
Pedestrain Clearance				25.0				
Offset = 0								

CABLE SCHEDULE

FROM	TO	CTR TO CTR DISTANCE	POWER		CONTROL								ACCESS POINT		DETECTION		LIGHTING		INTERCONNECT		TRACER		GROUND		REMARKS
			1c #8		9c #14		7c #14		5c #14		3c #14		CAT 5e		CAT 5e		1c #8		12 COUNT FIBER		1c #10		1c #6		
			#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	
EX CAB	HH1	80			4	370	1	93	4	370	4	370			2	185	2	185			1	93	1	93	
HH1	HH2	117			4	488	1	122	2	244	4	488			1	122	1	122			1	122	1	122	
HH2	P2	6			1	19	2	37	1	19	1	19			1	19	1	19			1	19	1	19	
P2	51	44					1	64																	
P2	DET	39													1	59									
P2	21	33							1	53															
P2	22	21							1	41															
P2	84	0									1	20													
P2	LUM	0															1	35							
P2	BUT	0			1	20																			
HH2	HH4	61			3	198					3	198									1	66	1	66	
HH4	P4	9			1	22					1	22									1	22	1	22	
HH4	P5	9			1	22					1	22									1	22	1	22	
HH4	HH5	55			1	60					1	60									1	60	1	60	
HH5	P6	5			1	18					1	18									1	18	1	18	
HH1	HH3	106							2	222					1	111	1	111			1	111	1	111	
HH3	P3	6							2	37					1	19	1	19			1	19	1	19	
P3	61	33							1	53															
P3	DET	28													1	48									
P3	62	21							1	41															
P3	LUM	0															1	35							
			0		1215		316		1080		1215		0		562		525		0		549		549		Subtotal
			0		122		32		108		122		0		56		53		0		55		55		10% Cutting & Splicing
TOTAL			0		1337		347		1187		1337		0		618		578		0		604		604		

POLES AND MAST ARMS SCHEDULE

POLE NO.	DETAILS								MAST ARM		LUMINAIRE				FOOTING		
	POLE TYPE	MAST ARM LENGTH	SIGNAL HEAD SPACING				TRAFFIC SIGNS ON ARMS		MOUNTING HEIGHT	POLE HEIGHT	MOUNTING HEIGHT	ARM LENGTH	ROTATION	NOTE	DIAMETER	DEPTH PER SCHEDULE	TOP OF FOOTING
			B	C	D	CAM	QTY	LOCATION ON ARM (FT)									
P2	COMBINATION	60'	44'	33'	21'	39'	3	25.4', 39.7', 50.6'	20'		35'	15'	0'		3.0'	REFER TO IDOT STANDARD TS-102	707.5
P3	COMBINATION	35'	33'	21'		28'	1	15.2'	20'		35'	15'	0'		3.0'	REFER TO IDOT STANDARD TS-102	710.18
P4	PEDESTRIAN PUSH BUTTON PEDESTAL									12'					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK
P5	PEDESTRIAN PUSH BUTTON PEDESTAL									12'					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK
P6	PEDESTRIAN PUSH BUTTON PEDESTAL									12'					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK

Notes:
1) ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS WITH AUDITORY COMPONENT
2) SIGNAL LOCATION IS TO CENTER OF SIGNAL HEAD MEASURED OUT TO MAST ARM FROM POLE
3) SIGN LOCATION IS TO CENTER OF SIGN MEASURED OUT TO MAST ARM FROM POLE
4) TOP OF COMBINATION POLE FOOTINGS SHALL BE A MINIMUM OF 3" ABOVE FINISHED GROUND. DEPTH OF FOOTING IS TO FINISHED GROUND ELEVATION
5) TOP OF PEDESTAL AND PEDESTRIAN PUSH BUTTON FOOTINGS SHALL BE A MINIMUM OF 2" ABOVE FINISHED GROUND AND FLUSH WITH ADJACENT PAVEMENT

POLE AND MAST ARM SIGNS SCHEDULE

SIGN NUMBER	LEGEND	QUANTITY	SIZE
D3-1	"S 1ST AVENUE" STREET NAME SIGN	2	12"
R3-5L	LEFT TURN ONLY SIGN	1	30"X36"
R10-12a	LEFT TURN YEILD ON FLASHING YELLOW ARROW	1	30"X36"

Notes:
1) Signs shall be placed as shown on Sheet N.04
2)

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(1) Shape top 11 inches with forms.

(2) Bolt spacing and conduit locations as specified by the manufacturer.

(3) Provide apron on three sides of cabinet if cabinet has front and back doors.

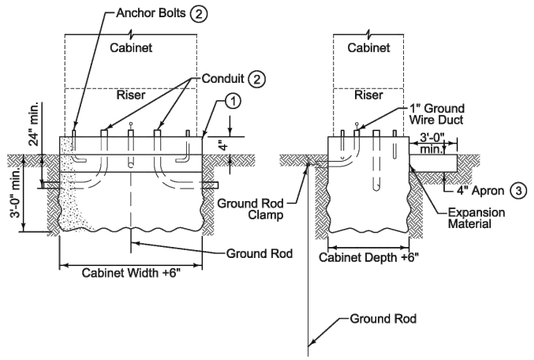
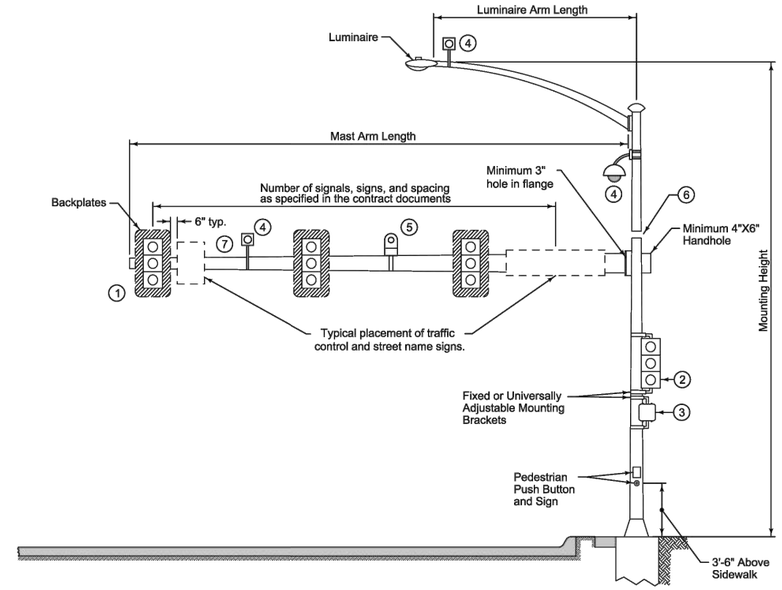


FIGURE 8010.101 SHEET 1 OF 1

CABINET FOOTING DETAILS



STEEL MAST ARM POLE

(1) Ensure the top of the signal housing is no more than 25.6 feet above the pavement. Ensure the bottom of the signal housing and related attachments are at least 15 feet above the pavement.

(2) Ensure the bottom of the signal housing (including brackets) that is not located over a roadway is a minimum of 10 feet and a maximum of 19 feet above the sidewalk or, if there is no sidewalk, above the pavement grade at the center of the roadway.

(3) Mount pedestrian signal heads with the bottom of the signal housing (including brackets) no less than 7 feet or more than 10 feet above the sidewalk level. Position and adjust heads to provide maximum visibility at the beginning of the controlled crosswalk.

(4) Possible video camera location.

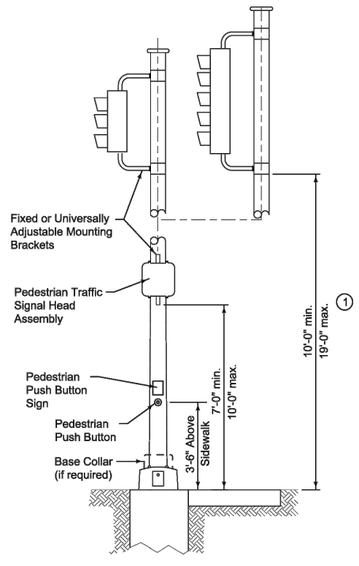
(5) Possible EVP detector.

(6) Pole cap if no luminaire extension.

(7) Install wind vibration dampening device on mast arms greater than 60 feet in length. Locaton and mounting method as specified by manufacturer.

MAST ARM POLE DETAILS

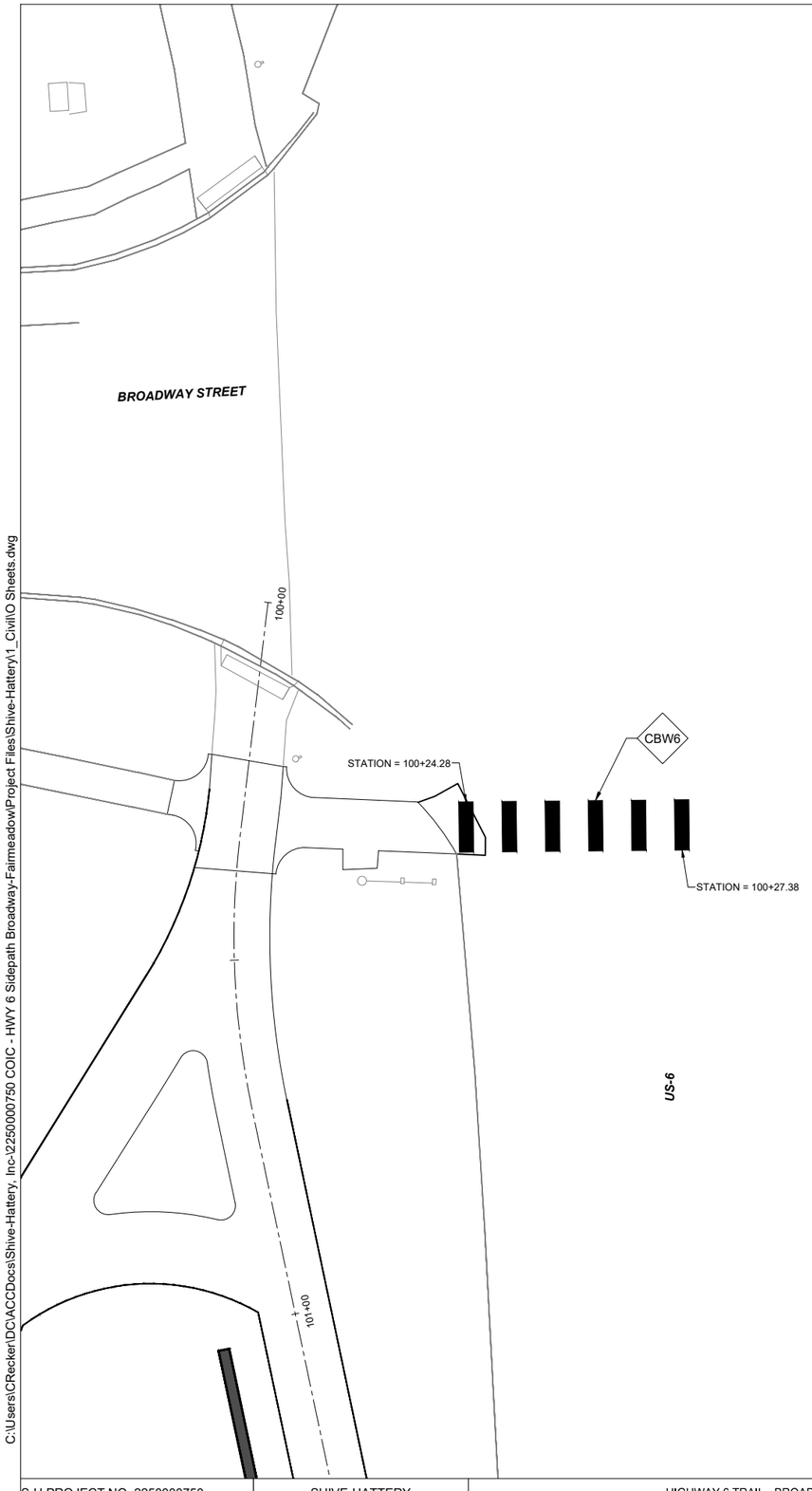
(1) For signal head visibility and possible pedestrian head installation.

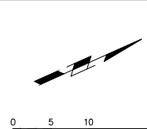


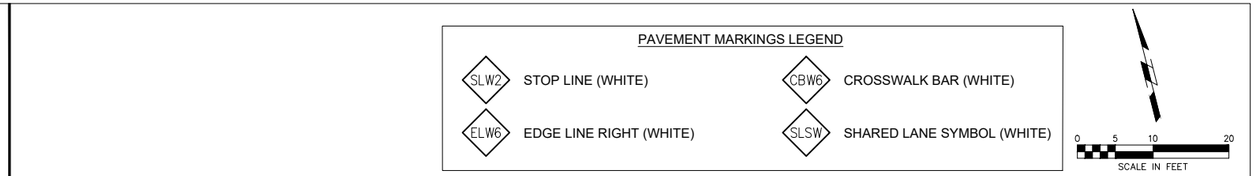
PEDESTAL POLE

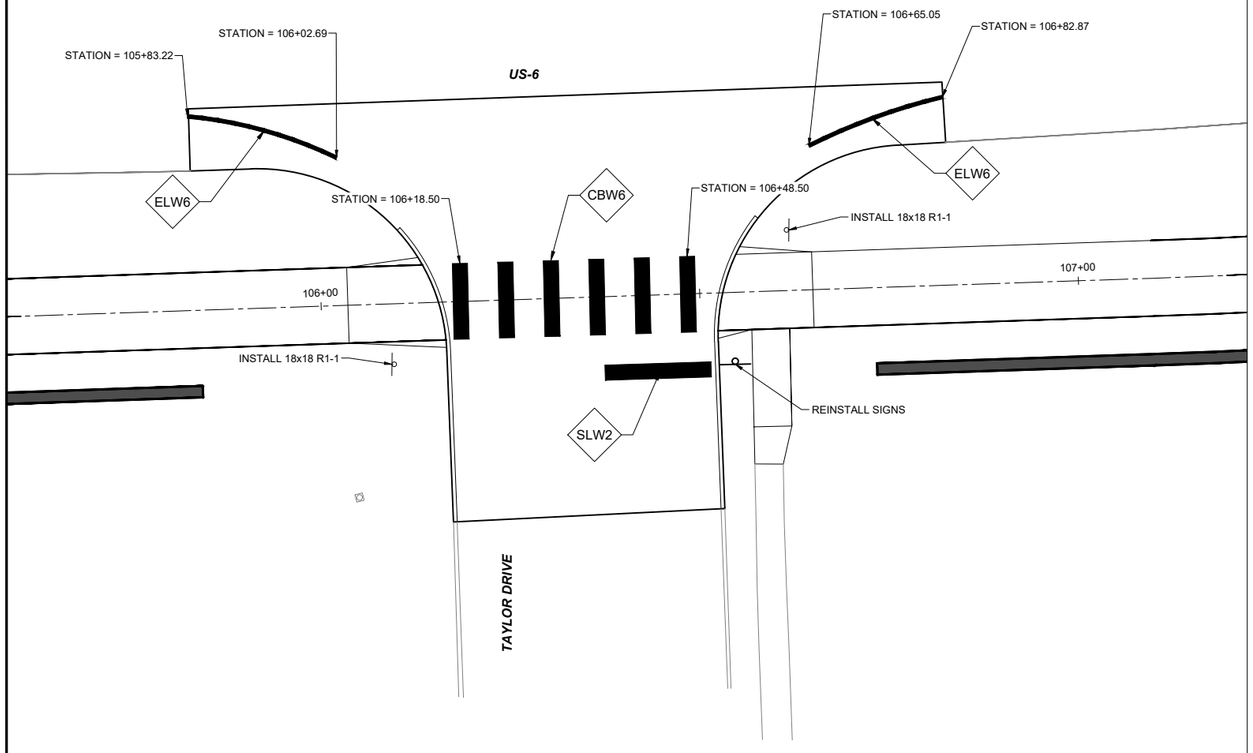
FIGURE 8010.106 SHEET 1 OF 1

PEDESTAL POLE DETAILS









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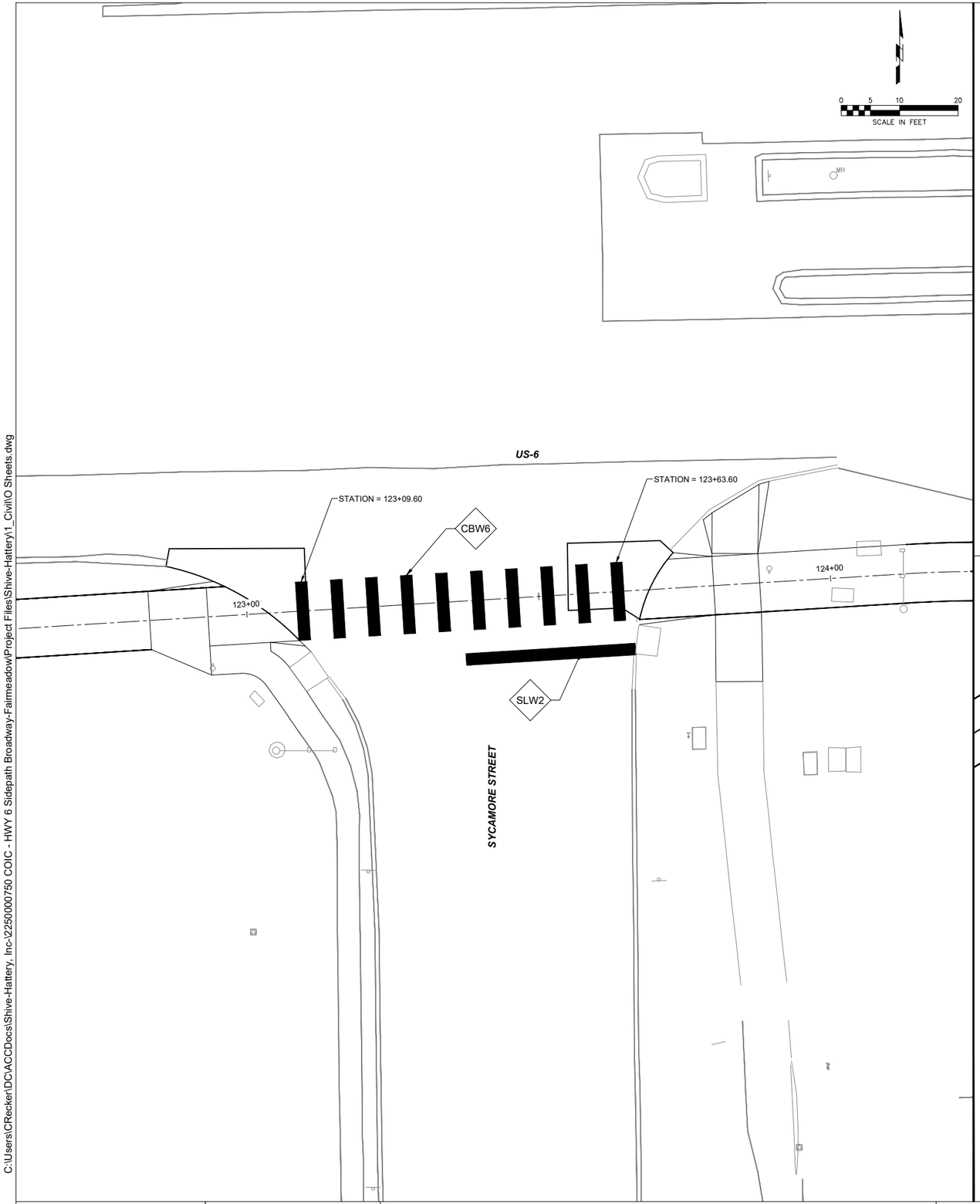
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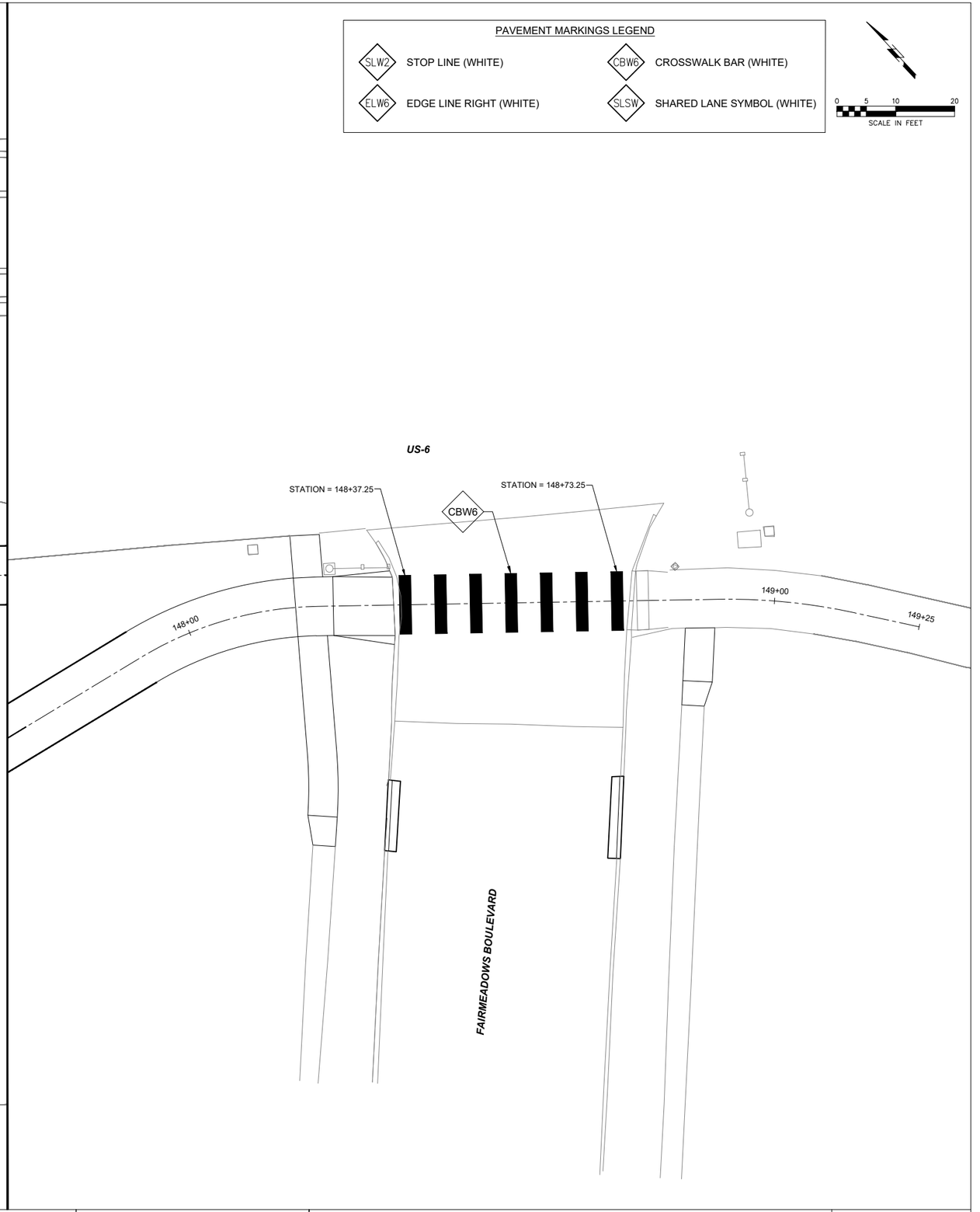
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PAVEMENT MARKINGS LEGEND

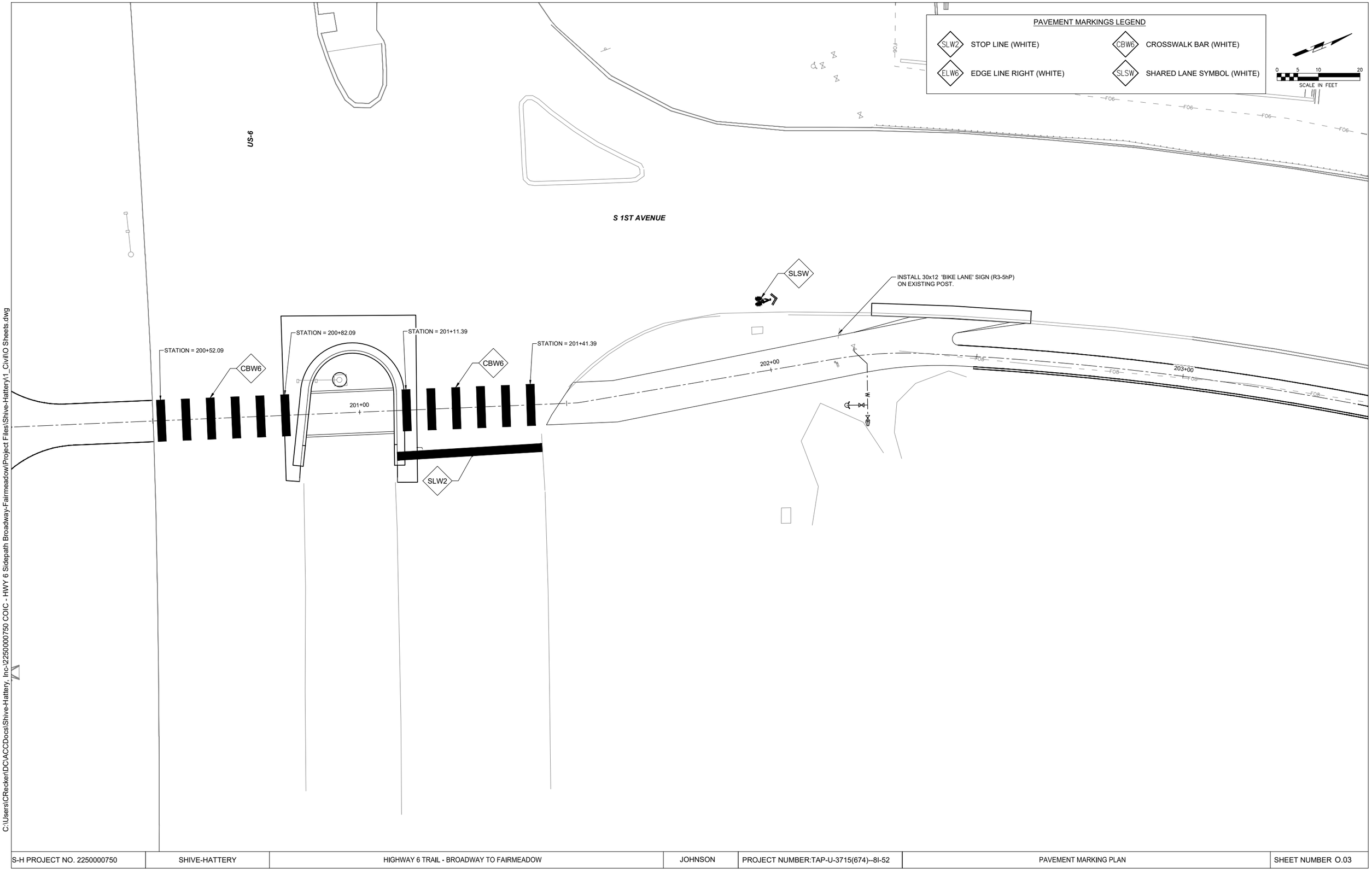
SLW2 — STOP LINE (WHITE)	CBW6 — CROSSWALK BAR (WHITE)
ELW6 — EDGE LINE RIGHT (WHITE)	SLSW — SHARED LANE SYMBOL (WHITE)

0 5 10 20
SCALE IN FEET





S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	PAVEMENT MARKING PLAN	SHEET NUMBER O.02



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	PAVEMENT MARKING PLAN	SHEET NUMBER O.03

BRAUN INTERTEC
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LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2508286
Geotechnical Evaluation
Iowa Highway 6 Trail
Broadway Street to Fairmeadows Boulevard
Iowa City, Iowa

BORING: **B-1**
LOCATION: See attached sketch.
DATUM: WGS84
LATITUDE: 41.64158 LONGITUDE: -91.51929
DRILLER: MB/RM LOGGED BY: B.Rickabaugh START DATE: 02/02/26 END DATE: 02/02/26
SURFACE ELEVATION: 698.2 ft RIG: 7513 METHOD: 3 1/4" HSA SURFACING: Pavement WEATHER: Sunny & 30

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
~~698.0~~		Asphalt Pavement, 3 inches					
0.3		FILL: LEAN CLAY (CL), brown to dark brown, moist		4-5-5 (10) 14"			
				TW 15"	1.5	27	DD=92 pcf
692.2			5				
6.0		LEAN CLAY (CL), gray and brown, moist, soft to medium (LOESS)		4-4-4 (8) 15"			
				3-4-4 (8) 18"		30	LL=39, PL=22, PI=17
			10				
				0-1-2 (3) 18"			
				0-3-2 (5) 18"		29	
			15				
681.2							
17.0		SANDY LEAN CLAY (CL), trace Gravel, brown, moist, very stiff (GLACIAL TILL)		5-7-9 (16) 14"		18	
678.2			20				Water not observed while drilling.
20.0		END OF BORING					
		Boring then backfilled with auger cuttings					
			25				
			30				

B2508286 Braun Intertec Corporation Print Date:04/20/2026 B-1 page 1 of 1

BRAUN INTERTEC
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LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2508286
Geotechnical Evaluation
Iowa Highway 6 Trail
Broadway Street to Fairmeadows Boulevard
Iowa City, Iowa

BORING: **B-2**
LOCATION: See attached sketch.
DATUM: WGS84
LATITUDE: 41.64133 LONGITUDE: -91.51832
DRILLER: MB/RM LOGGED BY: B.Rickabaugh START DATE: 02/02/26 END DATE: 02/02/26
SURFACE ELEVATION: 707.3 ft RIG: 7513 METHOD: 3 1/4" HSA SURFACING: Pavement WEATHER: Sunny & 30

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
~~707.0~~		Asphalt Pavement, 3 inches					
0.3		FILL: LEAN CLAY (CL), dark brown, moist		10-5-6 (11) 14"		24	
				3-4-8 (12) 10"			
			5				
699.3				TW 24"		28	DD=91 pcf q_u=0.98 tsf
8.0		LEAN CLAY (CL), brown, moist, medium to stiff (LOESS)		4-4-6 (10) 16"		26	
			10				
				3-2-3 (5) 18"			
				2-2-3 (5) 24"		29	
			15				
689.3							
18.0		CLAYEY SAND (SC), fine-grained, with Clay lenses, brown, moist, dense (GLACIAL OUTWASH)		13-15-17 (32) 18"		11	P200=20% Water not observed while drilling.
687.3			20				
20.0		END OF BORING					
		Boring then backfilled with auger cuttings					
			25				
			30				

B2508286 Braun Intertec Corporation Print Date:04/20/2026 B-2 page 1 of 1

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LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2508286
Geotechnical Evaluation
Iowa Highway 6 Trail
Broadway Street to Fairmeadows Boulevard
Iowa City, Iowa

BORING: **B-3**
LOCATION: See attached sketch.
DATUM: WGS84
LATITUDE: 41.64117 LONGITUDE: -91.51741
START DATE: 02/02/26 END DATE: 02/02/26
DRILLER: MB/RM LOGGED BY: B.Rickabaugh
SURFACE ELEVATION: 715.7 ft RIG: 7513 METHOD: 3 1/4" HSA
SURFACING: Pavement WEATHER: Sunny & 30

Elev./ Depth ft	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
715.4	Asphalt Pavement, 3 inches					
0.3	FILL: LEAN CLAY (CL), with Sand, trace Gravel, dark brown, moist		6-6-5 (11) 12"			
			3-3-5 (8) 8"		27	
			3-3-4 (7) 12"		25	LL=44, PL=24, PI=20
707.7						
8.0	LEAN CLAY (CL), brown, moist, medium (LOESS)		3-2-3 (5) 10"			
			3-3-4 (7) 12"		29	
			TW 12"	1	28	LL=39, PL=21, PI=18 DD=91 pcf
697.7						
18.0	SANDY LEAN CLAY (CL), trace Gravel, brown, moist, stiff (GLACIAL TILL)		3-4-5 (9) 7"		24	
695.7						
20.0	END OF BORING					Water not observed while drilling.
	Boring then backfilled with auger cuttings					

B2508286 Braun Intertec Corporation Print Date:04/20/2026 B-3 page 1 of 1

BRAUN INTERTEC
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LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2508286
Geotechnical Evaluation
Iowa Highway 6 Trail
Broadway Street to Fairmeadows Boulevard
Iowa City, Iowa

BORING: **B-4**
LOCATION: See attached sketch.
DATUM: WGS84
LATITUDE: 41.64108 LONGITUDE: -91.51665
START DATE: 02/02/26 END DATE: 02/02/26
DRILLER: MB/RM LOGGED BY: B.Rickabaugh
SURFACE ELEVATION: 722.5 ft RIG: 7513 METHOD: 3 1/4" HSA
SURFACING: Pavement WEATHER: Sunny & 30

Elev./ Depth ft	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
722.2	Asphalt Pavement, 3 inches					
0.3	FILL: LEAN CLAY (CL), trace Sand, dark brown, moist		14-10-7 (17) 5"			
			5-7-7 (14) 6"		24	
			5-6-6 (12) 10"			
715.5						
7.0	LEAN CLAY (CL), brown, moist, soft to stiff (LOESS)		4-3-4 (7) 12"		28	
			0-2-2 (4) 8"			
			1-3-3 (6) 9"			
704.5						
18.0	SANDY LEAN CLAY (CL), trace Gravel, brown, moist, very stiff (GLACIAL TILL)		TW 18"		19	LL=36, PL=17, PI=19 DD=111 pcf q_u=1.68 tsf
			6-6-10 (16) 8"			
697.5						
25.0	END OF BORING					Water not observed while drilling.
	Boring then backfilled with auger cuttings					

B2508286 Braun Intertec Corporation Print Date:04/20/2026 B-4 page 1 of 1

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LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2508286
Geotechnical Evaluation
Iowa Highway 6 Trail
Broadway Street to Fairmeadows Boulevard
Iowa City, Iowa

BORING: **B-5**
LOCATION: See attached sketch.
DATUM: WGS84
LATITUDE: 41.64103 LONGITUDE: -91.51569
START DATE: 02/02/26 END DATE: 02/02/26
SURFACE ELEVATION: 730.0 ft RIG: 7513 METHOD: 3 1/4" HSA
SURFACING: Pavement WEATHER: Sunny & 30
DRILLER: MB/RM LOGGED BY: B.Rickabaugh

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
~~729.8~~		Asphalt Pavement, 3 inches					
0.3		FILL: LEAN CLAY (CL), trace Sand, dark brown, moist		10-7-6 (13) 10"		27	
727.0							
3.0		FILL: LEAN CLAY (CL), with Sand, trace Gravel, brown, moist		TW 14"		25	DD=99 pcf q_u=0.49 tsf
725.0			5				
5.0		SANDY LEAN CLAY (CL), trace Gravel, brown, moist, stiff to very stiff (GLACIAL TILL)		8-7-10 (17) 5"			
				10-11-11 (22) 7"		16	
			10				
				6-8-7 (15) 10"			
				8-9-10 (19) 10"		16	
715.0 15.0		END OF BORING	15				Water not observed while drilling.
		Boring then backfilled with auger cuttings					
			20				
			25				
			30				

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LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2508286
Geotechnical Evaluation
Iowa Highway 6 Trail
Broadway Street to Fairmeadows Boulevard
Iowa City, Iowa

BORING: **B-6**
LOCATION: See attached sketch.
DATUM: WGS84
LATITUDE: 41.64094 LONGITUDE: -91.51322
START DATE: 02/02/26 END DATE: 02/02/26
SURFACE ELEVATION: 732.6 ft RIG: 7513 METHOD: 3 1/4" HSA
SURFACING: Grass WEATHER: Sunny & 30
DRILLER: MB/RM LOGGED BY: B.Rickabaugh

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
732.1		TOPSOIL					
0.5		LEAN CLAY (CL), trace organic, brown, moist, medium (LOESS)		8-3-5 (8) 14"			
				TW 15"	1	29	LL=38, PL=21, PI=17 DD=95 pcf
			5				
				3-4-5 (9) 15"		27	
723.6				4-5-5 (10) 18"		24	
9.0		SANDY LEAN CLAY (CL), with Sand seams, brown, moist, stiff (LOESS)	10				Water not observed while drilling.
~~722.6~~ 10.0		END OF BORING					
		Boring then backfilled with auger cuttings					
			15				
			20				
			25				
			30				

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LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2508286
Geotechnical Evaluation
Iowa Highway 6 Trail
Broadway Street to Fairmeadows Boulevard
Iowa City, Iowa

BORING: **B-7**
LOCATION: See attached sketch.
DATUM: WGS84
LATITUDE: 41.64087 LONGITUDE: -91.51010
START DATE: 02/02/26 END DATE: 02/02/26
DRILLER: MB/RM LOGGED BY: B.Rickabaugh
SURFACE ELEVATION: 717.7 ft RIG: 7513 METHOD: 3 1/4" HSA
SURFACING: Grass WEATHER: Sunny & 30

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
717.2		TOPSOIL					
0.5		FILL: LEAN CLAY (CL), trace organic, dark brown, moist		7-5-5 (10) 6"			
714.7							
3.0		LEAN CLAY (CL), brown, moist, medium to stiff (LOESS)		4-5-5 (10) 7"		26	
				TW 18"		30	DD=89 pcf q_u=0.45 tsf
707.7				3-5-5 (10) 12"			
10.0		END OF BORING					Water not observed while drilling.
		Boring then backfilled with auger cuttings					

BRAUN INTERTEC
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LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2508286
Geotechnical Evaluation
Iowa Highway 6 Trail
Broadway Street to Fairmeadows Boulevard
Iowa City, Iowa

BORING: **B-8**
LOCATION: See attached sketch.
DATUM: WGS84
LATITUDE: 41.64052 LONGITUDE: -91.50754
START DATE: 02/02/26 END DATE: 02/02/26
DRILLER: MB/RM LOGGED BY: B.Rickabaugh
SURFACE ELEVATION: 705.4 ft RIG: 7513 METHOD: 3 1/4" HSA
SURFACING: Grass WEATHER: Sunny & 30

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
704.9		TOPSOIL					
0.5		LEAN CLAY (CL), with Sand lenses, brown, moist, medium to stiff (LOESS)		TW 16"	1	28	DD=92 pcf
				4-3-5 (8) 8"			
				5-5-6 (11) 7"		28	
697.4							
8.0		CLAYEY SAND (SC), fine-grained, with Clay lenses, brown, moist, medium dense (GLACIAL TILL)		4-6-5 (11) 9"		9	P200=30%
695.4							
10.0		END OF BORING					Water not observed while drilling.
		Boring then backfilled with auger cuttings					

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BRAUN INTERTEC
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LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

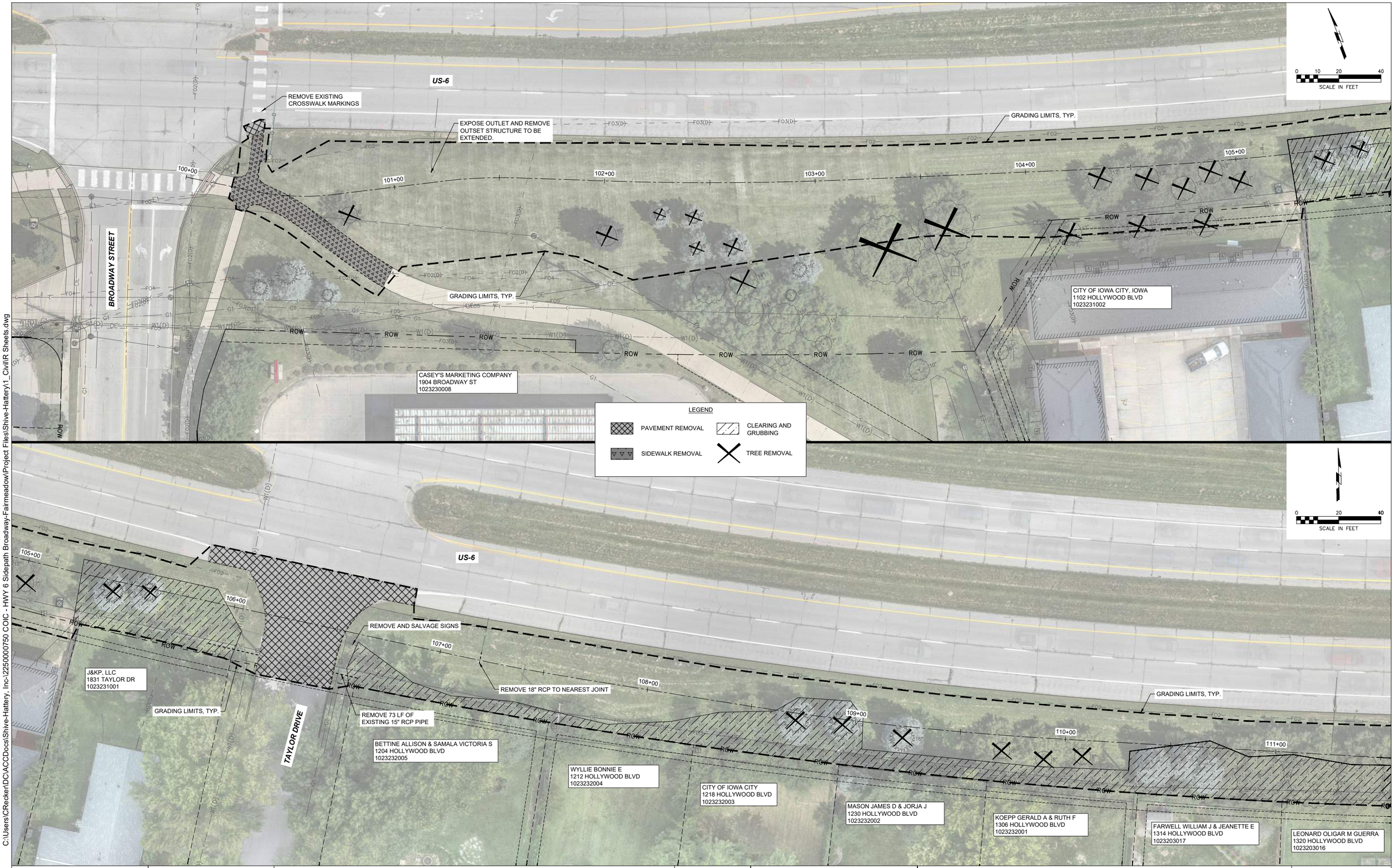
Project Number B2508286
Geotechnical Evaluation
Iowa Highway 6 Trail
Broadway Street to Fairmeadows Boulevard
Iowa City, Iowa

BORING: **B-9**
LOCATION: See attached sketch.
DATUM: WGS84
LATITUDE: 41.63949 LONGITUDE: -91.50481
START DATE: 02/02/26 END DATE: 02/02/26
DRILLER: MB/RM LOGGED BY: B.Rickabaugh
SURFACE ELEVATION: 701.6 ft RIG: 7513 METHOD: 3 1/4" HSA
SURFACING: Grass WEATHER: Sunny & 30

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
701.1		TOPSOIL					
0.5		FILL: LEAN CLAY (CL), trace organic, dark brown, moist		10-7-7 (14) 8"		28	
698.6							
3.0		LEAN CLAY (CL), brown and gray, moist, stiff (LOESS)		5-7-7 (14) 10"			
			5	3-5-5 (10) 12"		30	
				TW 18"	1	31	DD=93 pcf
691.6			10				Water not observed while drilling.
10.0		END OF BORING					
		Boring then backfilled with auger cuttings					

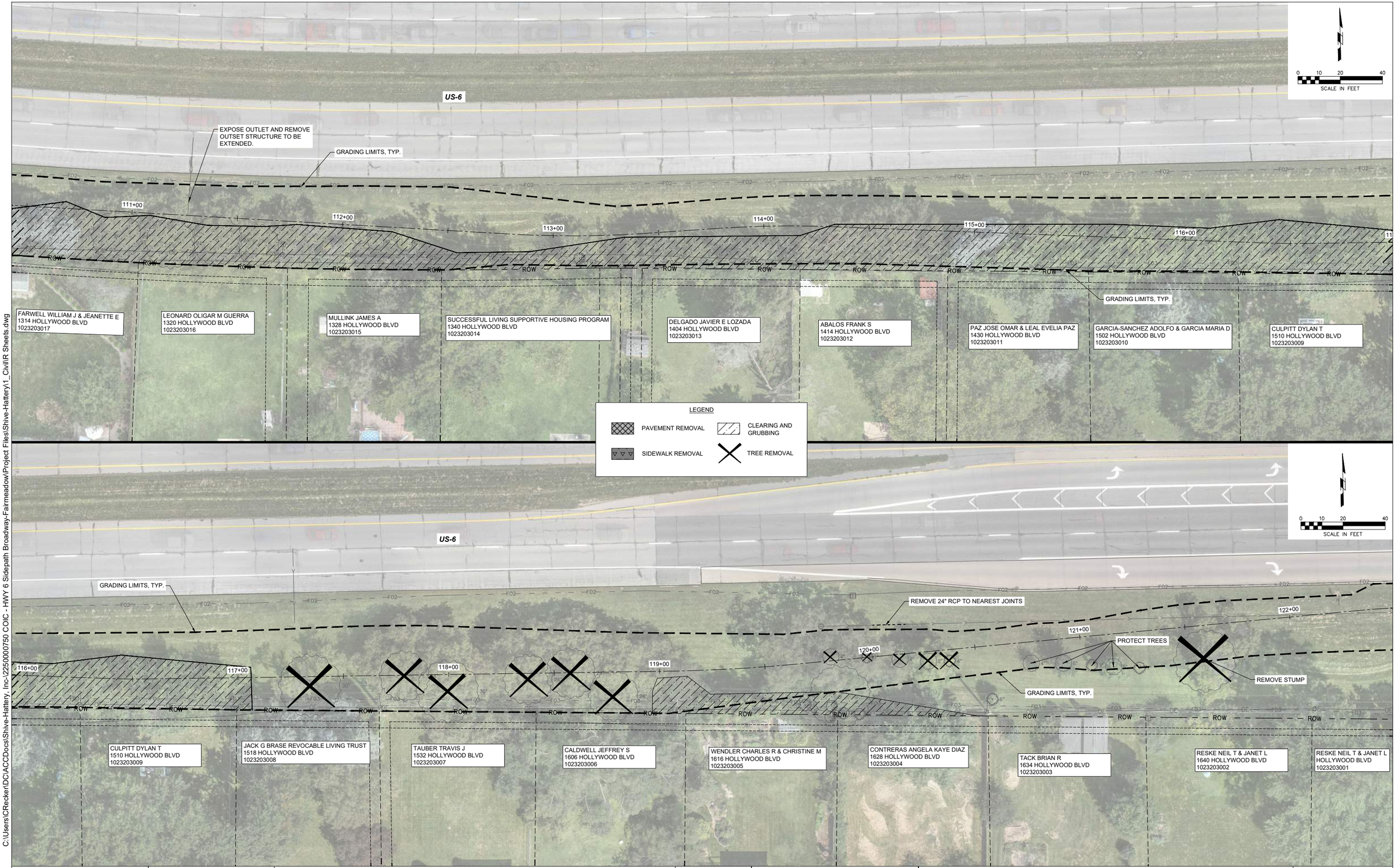
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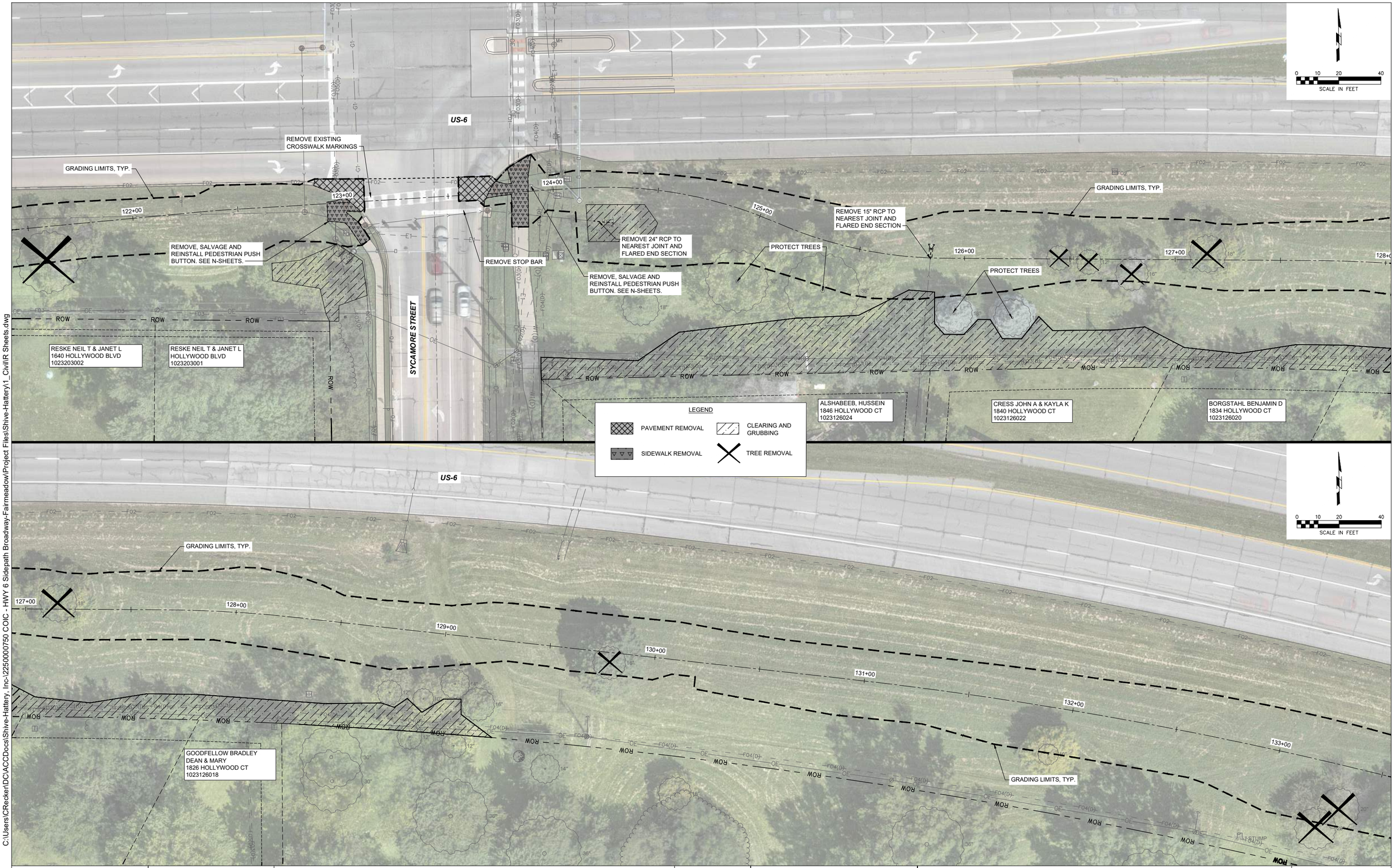
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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Removal Sheets	SHEET NUMBER R.01



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Removal Sheets	SHEET NUMBER R.02



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Removal Sheets	SHEET NUMBER R.03

LEGEND

PAVEMENT REMOVAL

CLEARING AND GRUBBING

SIDEWALK REMOVAL

TREE REMOVAL

S 1ST AVENUE

GRADING LIMITS, TYP.

US-6

201+00

200+00

133+00

134+00

135+00

136+00

137+00

138+00

PROTECT TREES

CLEAR AND GRUB AROUND BASE OF TREES

PROTECT TREE

SYSTEMS UNLIMITED, INC
1918 HOLLYWOOD BLVD
1023126001

SYSTEMS UNLIMITED, INC
1918 HOLLYWOOD BLVD
1023126001

SYSTEMS UNLIMITED, INC
1918 HOLLYWOOD BLVD
1023126001

DOOLITTLE KELLAN KATE SLATER-SCOTT
& SLATER-SCOTT NIX DOOLITTLE
2012 HOLLYWOOD BLVD
1023106001

BLUE ANCHOR PROPERTIES, LLC
2016 HOLLYWOOD BLVD
1023106002

0 10 20 40
SCALE IN FEET

US-6

GRADING LIMITS, TYP.

138+00

139+00

140+00

141+00

142+00

143+00

144+00

PROTECT TREES

PROTECT TREES

PROTECT TREES

LUNDQUIST, ANDREW RUSSELL II
& LUNDQUIST, GIZZY D
2016 HOLLYWOOD BLVD
1023106002

SCHWEITZER JAMISON & DEANNE
2014 HOLLYWOOD BLVD
1023106003

DUNDON KYLE D
2020 HOLLYWOOD BLVD
1023106004

FOSMARK RYAN T & ELIZABETH M
2100 HOLLYWOOD BLVD
1023106005

SCHARF HARLAN P & TERESA A
2104 HOLLYWOOD BLVD
1023106006

ESTEP MISTY M
2108 HOLLYWOOD BLVD
1023106007

MCROBERTS SEAN CD & COLLEEN SD
2110 HOLLYWOOD BLVD
1023106008

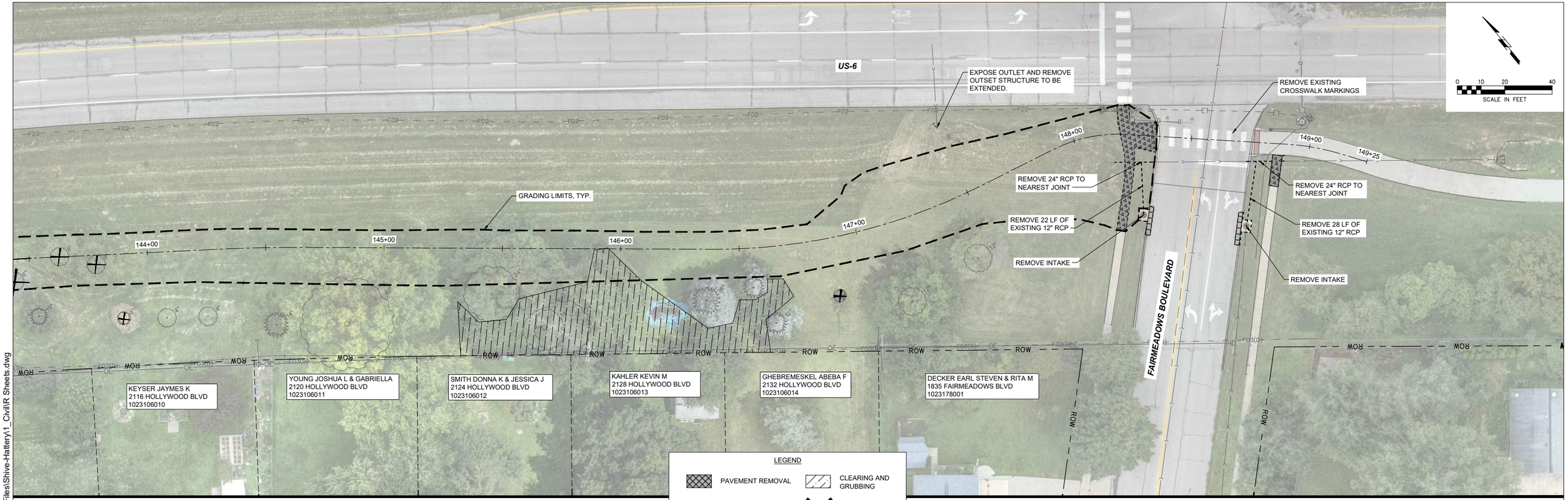
MOHAMED HANAA Y
2112 HOLLYWOOD BLVD
1023106009

KEYSER JAYMES K
2116 HOLLYWOOD BLVD
1023106010

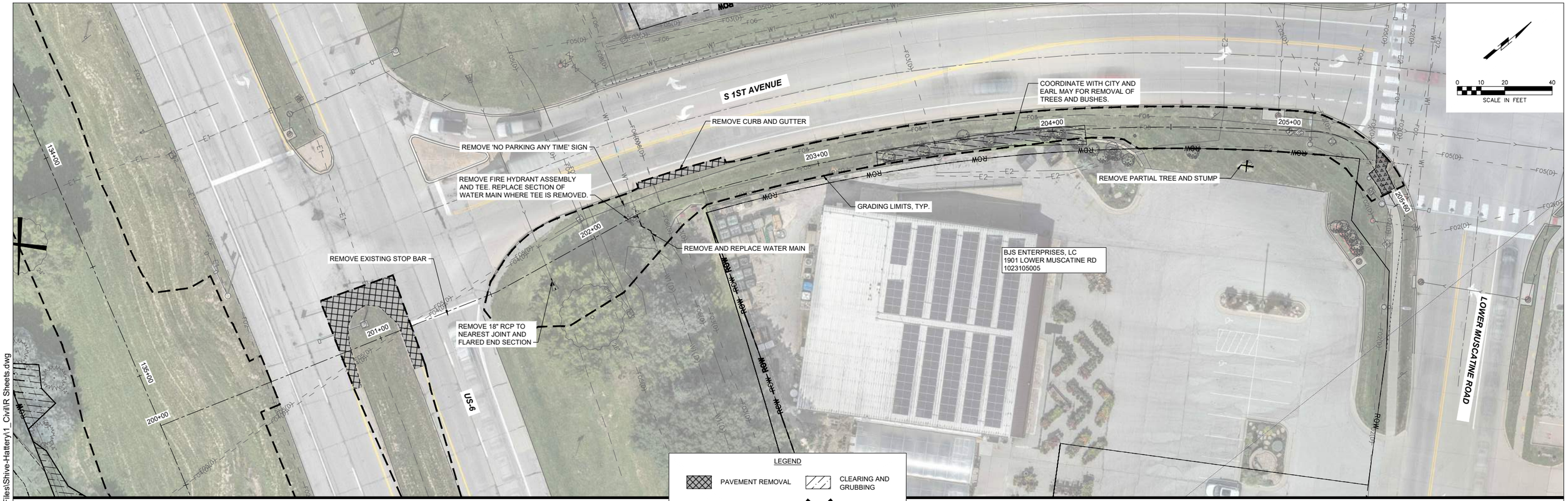
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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Removal Sheets	SHEET NUMBER R.04

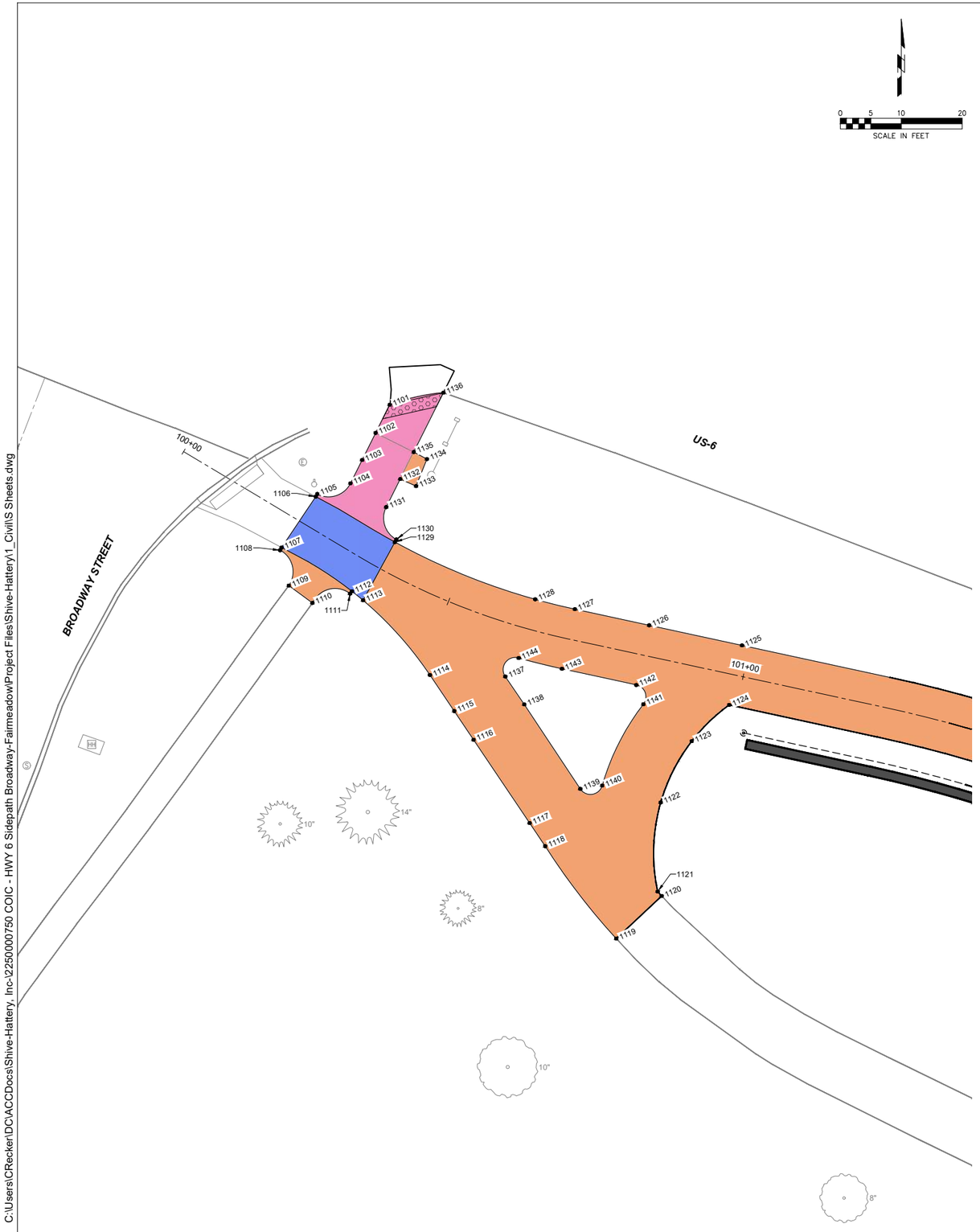


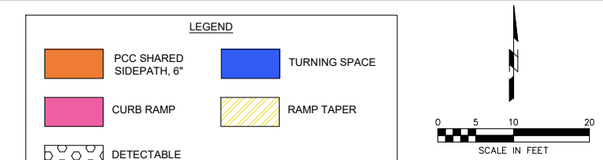
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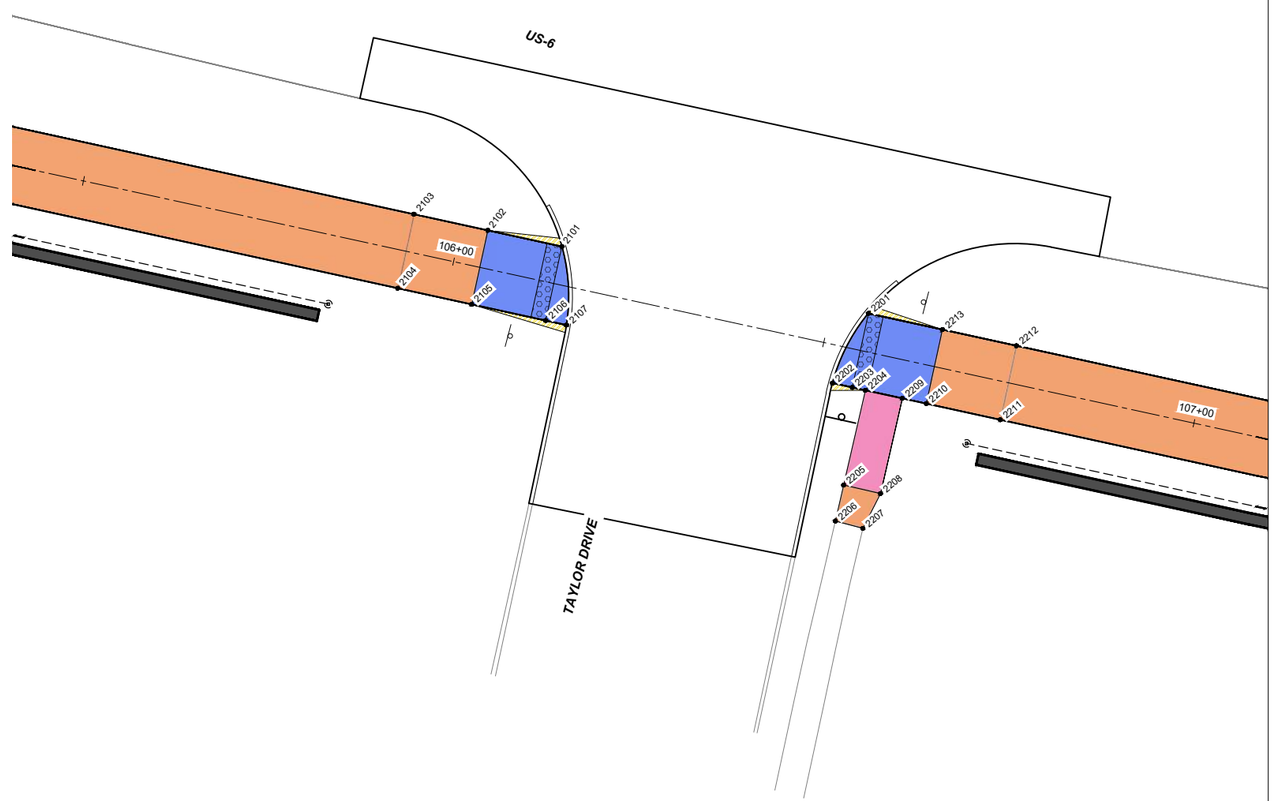


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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	Highway 6 Trail - Broadway to Fairmeadow	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	Removal Sheets	SHEET NUMBER R.06







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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	SIDEWALK SHEETS	SHEET NUMBER S.01

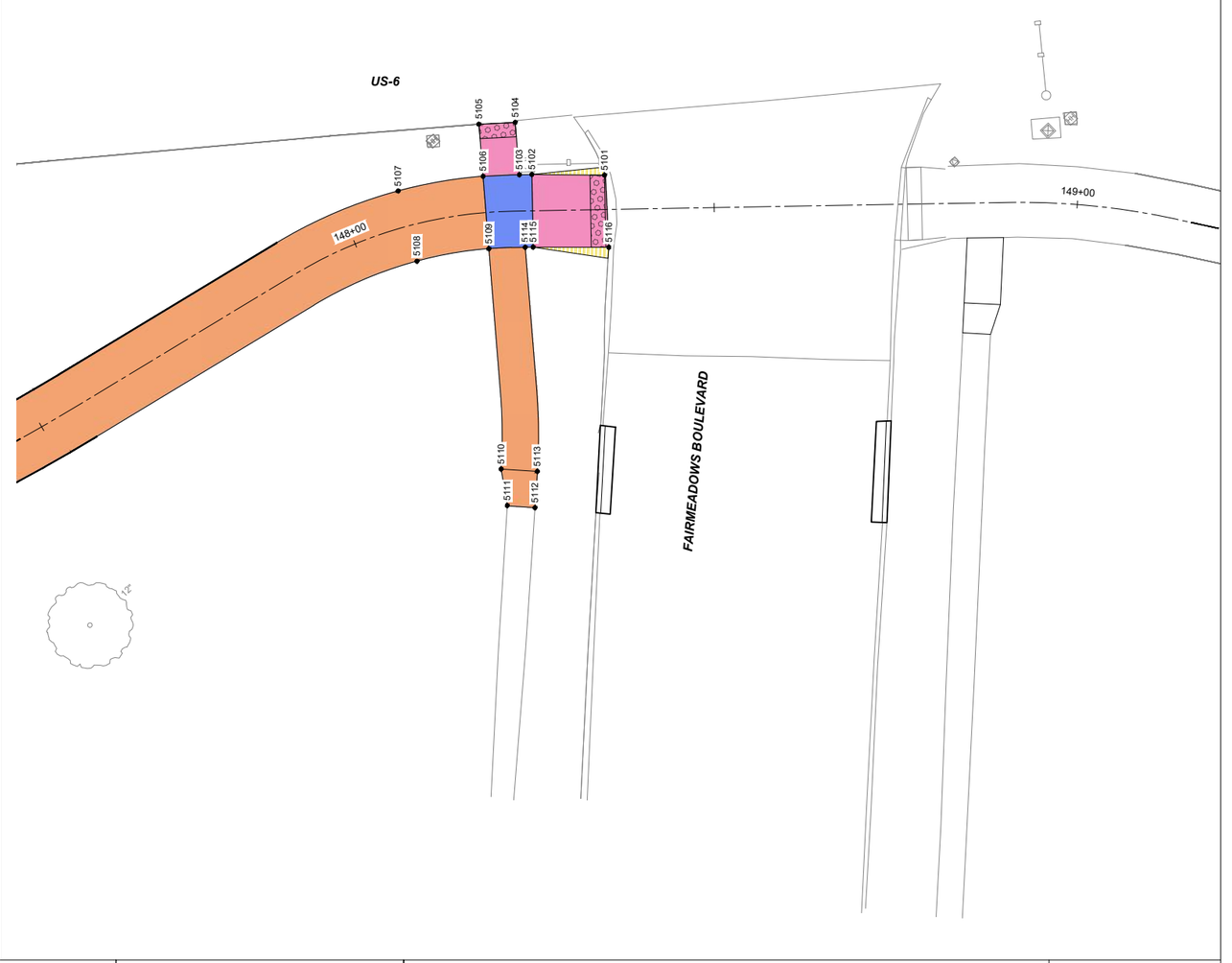
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LEGEND

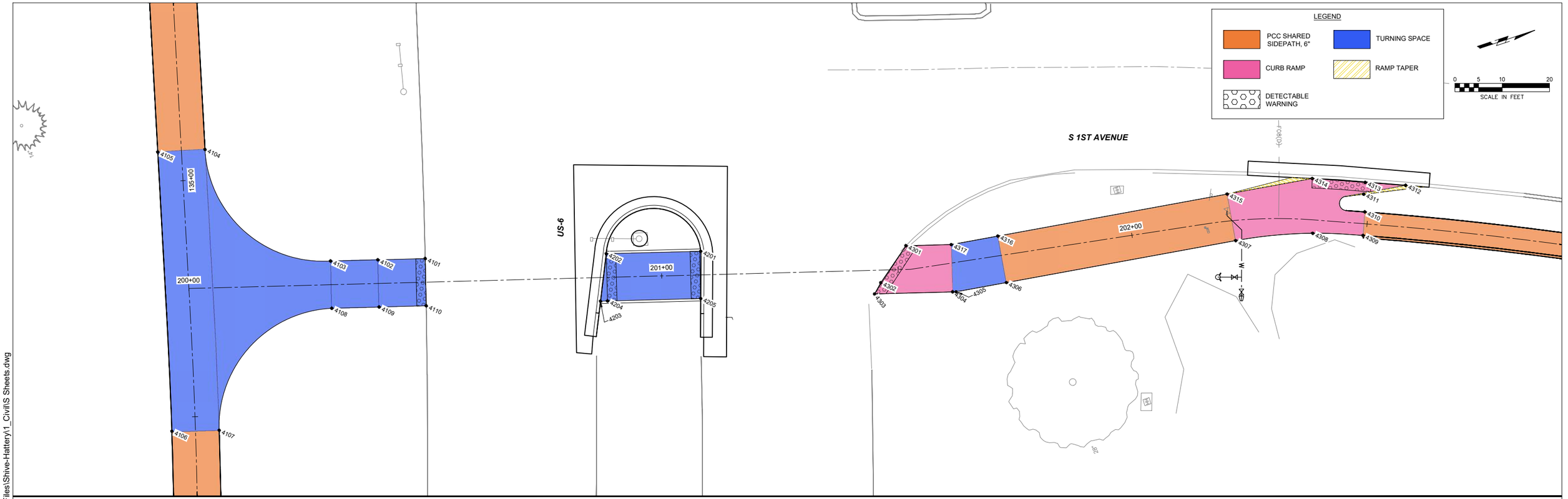
- PCC SHARED SIDEPATH, 6"
- TURNING SPACE
- CURB RAMP
- RAMP TAPER
- DETECTABLE WARNING

0 5 10 20
SCALE IN FEET



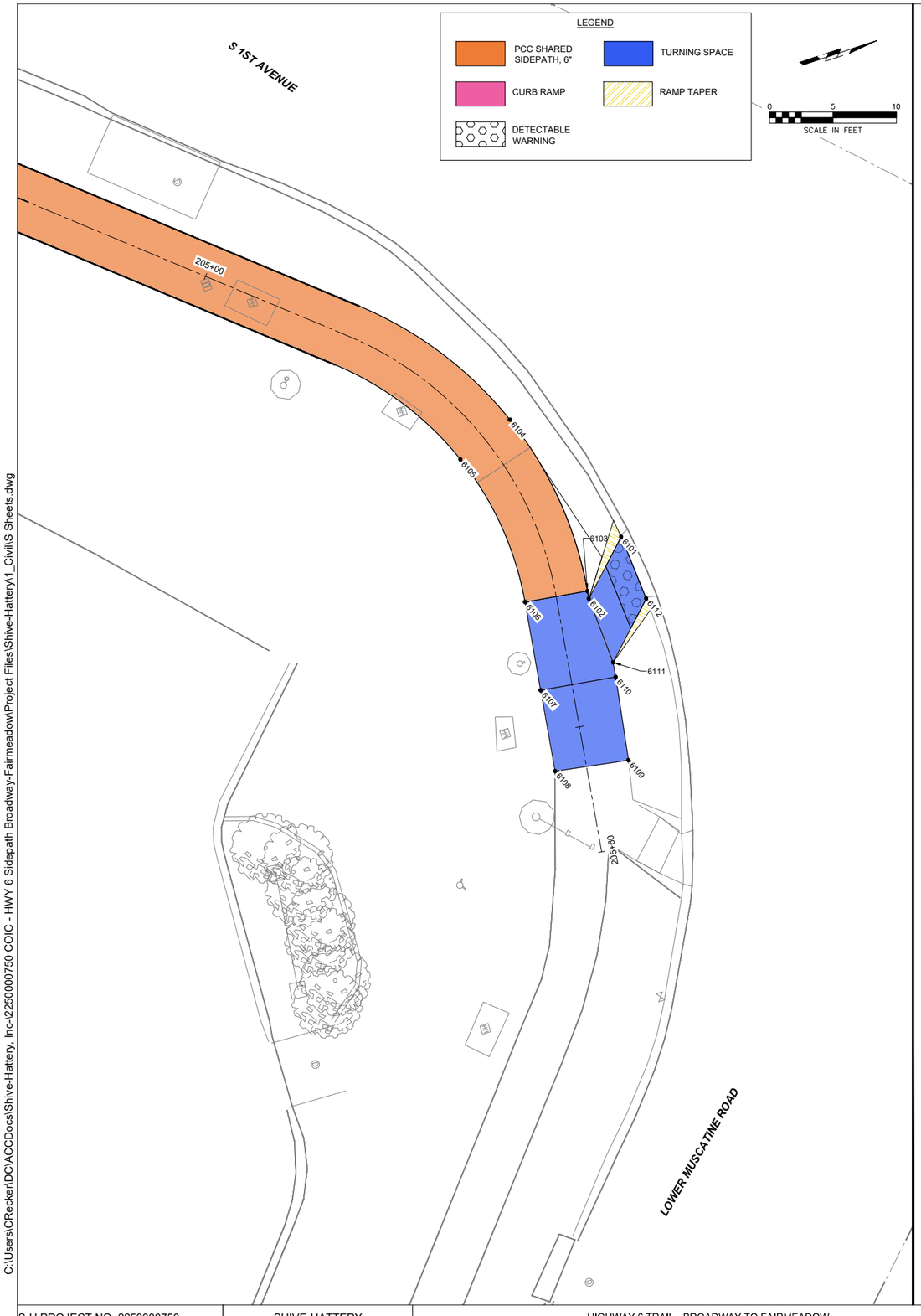


S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	SIDEWALK SHEETS	SHEET NUMBER S.02



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	SIDEWALK SHEETS	SHEET NUMBER S.03



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	SIDEWALK SHEETS	SHEET NUMBER S.04

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
1101	1102	Ramp Running Slope	6	5.16	-0.14	-2.70%	0.5% to 8.3%					1101	10025.084	-23.97	691.685
1101	1136	Crosswalk Cross Slope - Yield Condition	6	9.04	0.41	4.50%	0.0% to 5.5%					1102	10025.477	-18.82	691.543
1102	1103	Ramp Running Slope	6	4.95	-0.2	-4.10%	0.5% to 8.3%					1103	10025.853	-13.88	691.34
1102	1135	Ramp Cross Slope	6	7.00	0.11	1.50%	0.1% to 2.0%					1104	10026.18	-9.61	691.112
1103	1104	Ramp Running Slope	6	4.28	-0.23	-5.30%	0.5% to 8.3%					1105	10022.397	-5.31	690.858
1103	1132	Ramp Cross Slope	6	7.00	0.11	1.50%	0.1% to 2.0%					1106	10022.422	-4.81	690.848
1104	1105	Ramp Running Slope	6	5.73	-0.25	-4.40%	0.5% to 8.3%					1107	10021.884	5.25	690.567
1104	1131	Ramp Cross Slope	6	7.06	0.12	1.70%	0.1% to 2.0%	Yes				1108	10021.907	5.75	690.557
1105	1106	Ramp Running Slope	6	0.50	-0.01	-2.00%	0.5% to 8.3%					1109	10026.112	9.99	690.505
1106	1107	Match Existing Cross Slope	4	10.07	-0.28	-2.80%	Match Existing					1110	10030.898	10.44	690.543
1106	1129	Landing/Turning Space	4	15.16	0.12	0.80%	0.1% to 2.0%					1111	10035.311	5.98	690.793
1107	1108	Sidewalk Running Slope	4	0.50	-0.01	-2.00%	0.5% to 5.0%					1112	10035.379	5.49	690.773
1107	1112	Landing/Turning Space	4	13.50	0.21	1.50%	0.1% to 2.0%					1113	10037.584	5.89	690.809
1108	1109	Sidewalk Running Slope	4	5.97	-0.05	-0.90%	0.5% to 5.0%					1114	10051.633	12.32	691.084
1109	1110	Match Existing Cross Slope	4	4.81	0.04	0.80%	Match Existing					1115	10056.786	16.48	691.202
1110	1111	Sidewalk Running Slope	4	6.27	0.25	4.00%	0.5% to 5.0%					1116	10060.659	19.96	691.069
1111	1112	Sidewalk Running Slope	4	0.49	-0.02	-4.00%	0.5% to 5.0%					1117	10070.825	30.86	690.683
1112	1113	Landing/Turning Space	4	2.24	0.04	1.60%	0.1% to 2.0%	Yes				1118	10074.127	34.04	690.689
1113	1114	Sidewalk Running Slope	4	15.45	0.27	1.80%	0.5% to 5.0%					1119	10088.736	46.4	690.715
1114	1115	Sidewalk Running Slope	4	6.62	0.12	1.80%	0.5% to 5.0%					1120	10094.54	37.98	690.553
1115	1116	Sidewalk Running Slope	4	5.21	-0.13	-2.60%	0.5% to 5.0%					1121	10093.747	37.42	690.587
1115	1137	Sidewalk Cross Slope	4	9.75	-0.15	-1.60%	0.5% to 2.0%	Yes				1122	10091.138	23.01	691.109
1116	1117	Sidewalk Running Slope	4	14.90	-0.39	-2.60%	0.5% to 5.0%					1123	10093.991	12.12	691.509
1116	1138	Sidewalk Cross Slope	4	9.66	-0.15	-1.50%	0.5% to 2.0%					1124	10098.738	5	691.812
1117	1118	Sidewalk Running Slope	4	4.58	0.01	0.10%	0.5% to 5.0%					1125	10098.738	-5	691.969
1117	1139	Sidewalk Cross Slope	4	10.03	-0.15	-1.50%	0.5% to 2.0%					1126	10083.138	-5	691.672
1118	1119	Sidewalk Running Slope	4	19.14	0.03	0.10%	0.5% to 5.0%					1127	10070.657	-5	691.47
1119	1120	Match Existing Cross Slope	4	10.23	-0.16	-1.60%	Match Existing					1128	10063.643	-5	691.363
1120	1121	Sidewalk Running Slope	4	0.97	0.03	3.50%	0.5% to 5.0%					1129	10037.584	-5	690.972
1121	1122	Sidewalk Running Slope	4	14.64	0.52	3.60%	0.5% to 5.0%					1130	10037.584	-5.5	690.982
1122	1123	Sidewalk Running Slope	4	11.26	0.4	3.60%	0.5% to 5.0%					1131	10033.235	-9.28	691.234
1122	1140	Sidewalk Cross Slope	4	10.00	0.15	1.50%	0.5% to 2.0%					1132	10032.833	-14.42	691.445
1123	1124	Sidewalk Running Slope	4	8.56	0.3	3.50%	0.5% to 5.0%					1133	10036.029	-14.72	691.497
1123	1141	Sidewalk Cross Slope	4	10.00	-0.04	-0.40%	0.5% to 2.0%					1134	10035.267	-19.45	691.538
1124	1125	Sidewalk Cross Slope	4	10.00	0.16	1.60%	0.5% to 2.0%	Yes				1135	10032.457	-19.35	691.648
1125	1126	Sidewalk Running Slope	4	15.60	-0.3	-1.90%	0.5% to 5.0%					1136	10031.629	-30.21	692.095
1126	1127	Sidewalk Running Slope	4	12.48	-0.2	-1.60%	0.5% to 5.0%					1137	10062.446	8.54	691.05
1126	1142	Sidewalk Cross Slope	4	10.03	-0.15	-1.50%	0.5% to 2.0%					1138	10066.302	12.12	690.922
1127	1128	Sidewalk Running Slope	4	7.01	-0.11	-1.50%	0.5% to 5.0%					1139	10077.771	23.63	690.533
1127	1143	Sidewalk Cross Slope	4	10.00	-0.15	-1.50%	0.5% to 2.0%					1140	10081.161	22.34	691.259
1128	1129	Sidewalk Running Slope	4	26.06	-0.39	-1.50%	0.5% to 5.0%					1141	10084.944	7.86	691.466
1128	1144	Sidewalk Cross Slope	4	10.00	-0.2	-2.00%	0.5% to 2.0%	Yes				1142	10083.138	5.03	691.52
1129	1130	Ramp Running Slope	6	0.50	0.01	2.00%	0.5% to 8.3%					1143	10070.657	5	691.32
1130	1131	Ramp Running Slope	6	5.76	0.25	4.40%	0.5% to 8.3%					1144	10063.643	5	691.165
1131	1132	Ramp Running Slope	6	5.16	0.21	4.10%	0.5% to 8.3%								
1132	1133	Sidewalk Cross Slope	4	3.21	0.05	1.60%	0.5% to 2.0%	Yes							
1132	1135	Ramp Running Slope	6	4.94	0.2	4.10%	0.5% to 8.3%								
1133	1134	Sidewalk Running Slope	4	4.79	0.04	0.90%	0.5% to 5.0%								
1134	1135	Sidewalk Cross Slope	4	2.81	0.11	3.90%	0.5% to 4.9%								
1135	1136	Ramp Running Slope	6	10.89	0.45	4.10%	0.5% to 8.3%								
1137	1138	Sidewalk Running Slope	4	5.26	-0.13	-2.40%	0.5% to 5.0%								
1137	1144	Sidewalk Running Slope	4	3.74	0.12	3.10%	0.5% to 5.0%								
1138	1139	Sidewalk Running Slope	4	16.25	-0.39	-2.40%	0.5% to 5.0%								
1139	1140	Sidewalk Running Slope	4	3.63	0.73	20.00%	0.5% to 21%								
1140	1141	Sidewalk Running Slope	4	14.97	0.21	1.40%	0.5% to 5.0%								
1141	1142	Sidewalk Running Slope	4	3.36	0.05	1.60%	0.5% to 5.0%								
1142	1143	Sidewalk Running Slope	4	12.48	-0.2	-1.60%	0.5% to 5.0%								
1143	1144	Sidewalk Running Slope	4	7.01	-0.16	-2.20%	0.5% to 5.0%								

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
2101	2102	Landing/Turning Space	4	10.00	0.13	1.30%	0.1% to 2.0%					2101	10613.538	-5	710.661
2101	2106	Landing/Turning Space	4	10.00	-0.1	-1.00%	0.1% to 2.0%					2102	10603.538	-5	710.79
2101	2107	Crosswalk Cross Slope - Yield Condition	6	10.37	-0.12	-1.20%	0.0% to 2.0%					2103	10593.538	-5	710.48
2102	2103	Sidewalk Running Slope	4	10.00	-0.31	-3.10%	0.5% to 5.0%					2104	10593.538	5	710.33
2102	2105	Landing/Turning Space	4	10.00	-0.15	-1.50%	0.1% to 2.0%					2105	10603.538	5	710.64
2103	2104	Sidewalk Cross Slope	4	10.00	-0.15	-1.50%	0.5% to 2.0%					2106	10613.538	5	710.561
2104	2105	Sidewalk Running Slope	4	10.00	0.31	3.10%	0.5% to 5.0%					2107	10616.337	4.99	710.538
2105	2106	Landing/Turning Space	4	10.00	-0.08	-0.80%	0.1% to 2.0%					2201	10654.944	-5	711.352
2106	2107	Landing/Turning Space	4	2.80	-0.02	-0.80%	0.1% to 2.0%					2202	10652.274	5	711.155
2201	2202	Crosswalk Cross Slope - Yield Condition	6	10.35	-0.2	-1.90%	0.0% to 2.0%					2203	10654.944	5	711.196
2201	2203	Landing/Turning Space	4	10.00	-0.16	-1.60%	0.1% to 2.0%	Yes				2204	10656.719	5	711.223
2201	2213	Landing/Turning Space	4	10.00	0.15	1.50%	0.1% to 2.0%					2205	10656.572	17.83	710.191
2202	2203	Landing/Turning Space	4	2.67	0.04	1.50%	0.1% to 2.0%					2206	10656.516	22.71	709.865
2203	2204	Landing/Turning Space	4	1.77	0.03	1.50%	0.1% to 2.0%					2207	10660.271	22.87	709.643
2204	2205	Ramp Running Slope	6	12.83	-1.03	-8.00%	0.5% to 8.3%	Yes				2208	10661.572	17.89	710.116
2204	2209	Landing/Turning Space	4	4.99	0.08	1.60%	0.1% to 2.0%	Yes				2209	10661.708	5	711.301
2205	2206	Sidewalk Running Slope	4	4.88	-0.33	-6.70%	0.5% to 7.7%					2210	10664.944	5	711.351
2205	2208	Ramp Cross Slope	6	5.00	-0.08	-1.50%	0.1% to 2.0%					2211	10674.944	5	711.559
2206	2207	Match Existing Cross Slope	4	3.76	-0.22	-5.90%	Match Existing								
2207	2208	Sidewalk Running Slope	4	5.15	0.47	9.20%	0.5% to 10.2%								
2208	2209	Ramp Running Slope	6	12.89	1.19	9.20%	0.5% to 10.2%								
2209	2210	Landing/Turning Space	4	3.24	0.05	1.50%	0.1% to 2.0%								
2210	2211	Sidewalk Running Slope	4	10.00	0.21	2.10%	0.5% to 5.0%								
2210	2213	Landing/Turning Space	4	10.00	0.15	1.50%	0.1% to 2.0%					2212	10674.944	-5	711.709
2211	2212	Sidewalk Cross Slope	4	10.00	0.15	1.50%	0.5% to 2.0%					2213	10664.944	-5	711.501
2212	2213	Sidewalk Running Slope	4	10.00	-0.21	-2.10%	0.5% to 5.0%					3101	12296.483	-5	730.965
3101	3102	Landing/Turning Space	4	3.16	0.05	1.50%	0.1% to 2.0%					3102	12293.324	-5	731.013
3101	3116	Crosswalk Cross Slope - Yield Condition	6	15.79	-0.32	-2.00%	0.0% to 2.0%					3103	12283.324	-5	731.508
3102	3103	Sidewalk Running Slope	4	10.00	0.5	5.00%	0.5% to 5.0%	Yes				3104	12283.324	5	731.358
3102	3105	Landing/Turning Space	4	10.00	-0.14	-1.40%	0.1% to 2.0%					3105	12293.324	5	730.877
3103	3104	Sidewalk Cross Slope	4	10.00	-0.15	-1.50%	0.5% to 2.0%					3106	12293.324	9.98	730.952
3104	3105	Sidewalk Running Slope	4	10.00	-0.48	-4.80%	0.5% to 5.0%	Yes				3107	12298.344	10	730.889
3104	3106	Sidewalk Running Slope	4	11.17	-0.41	-3.60%	0.5% to 5.0%					3108	12302.583	12.35	730.826
3105	3106	Landing/Turning Space	4	4.98	0.08	1.50%	0.1% to 2.0%					3109	12305.069	16.32	730.852
3105	3115	Landing/Turning Space	4	10.38	-0.15	-1.50%	0.1% to 2.0%					3110	12307.693	20.7	730.91
3106	3107	Landing/Turning Space	4	5.02	-0.06	-1.30%	0.1% to 2.0%					3111	12311.85	18.12	730.802
3107	3108	Landing/Turning Space	4	4.85	-0.06	-1.30%	0.1% to 2.0%					3112	12309.361	13.76	730.777
3108	3109	Sidewalk Running Slope	4	4.68	0.03	0.60%	0.5% to 5.0%					3113	12306.71	9.52	730.751
3108	3113	Landing/Turning Space	4	5.00	-0.08	-1.50%	0.1% to 2.0%					3114	12303.703	6.56	730.73
3109	3110	Sidewalk Running Slope	4	5.11	0.06	1.10%	0.5% to 5.0%					3115	12303.703	5	730.722
3109	3112	Sidewalk Cross Slope	4	5.00	-0.07	-1.50%	0.5% to 2.0%					3116	12308.703	5	730.647
3110	3111	Match Existing Cross Slope	4	4.89	-0.11	-2.20%	Match Existing					3201	12372.414	-5	729.796
3111	3112	Sidewalk Running Slope	4	5.02	-0.02	-0.50%	0.5% to 5.0%					3202	12366.98	5	729.964
3112	3113	Sidewalk Running Slope	4	5.00	-0.03	-0.50%	0.5% to 5.0%					3203	12379.961	5	729.987
3113	3114	Landing/Turning Space	4	4.22	-0.02	-0.50%	0.1% to 2.0%					3204	12379.355	16.42	730.523
3114	3115	Landing/Turning Space	4	1.56	-0.01	-0.50%	0.1% to 2.0%					3205	12387.356	16.86	730.378
3115	3116	Landing/Turning Space	4	5.00	-0.07	-1.50%	0.1% to 2.0%					3206	12387.853	5	729.869
3201	3202	Crosswalk Cross Slope - Yield Condition	6	11.38	0.17	1.50%	0.0% to 2.0%					3207	12397.853	5	729.419
3201	3314	Ramp Running Slope	6	7.55	0.3	4.00%	0.5% to 8.3%					3208	12397.853	-5	729.569
3202	3203	Ramp Running Slope	6	12.98	0.02	0.20%	0.5% to 8.3%					3209	12387.853	-5	729.969
3203	3204	Sidewalk Running Slope	4	11.44	0.54	4.70%	0.5% to 5.0%	Yes				3210	12388.4	-11.92	729.639
3203	3206	Landing/Turning Space	4	7.89	-0.12	-1.50%	0.1% to 2.0%					3211	12388.786	-16.81	729.406
3203	3314	Landing/Turning Space	4	10.00	0.11	1.10%	0.1% to 2.0%								
3204	3205	Match Existing Cross Slope	4	8.01	-0.14	-1.80%	Match Existing								
3205	3206	Sidewalk Running Slope	4	11.87	-0.51	-4.30%	0.5% to 5.0%	Yes							
3206	3207	Sidewalk Running Slope	4	10.00	-0.45	-4.50%	0.5% to 5.0%	Yes							
3206	3209	Landing/Turning Space	4	10.00	0.1	1.00%	0.1% to 2.0%					3212	12380.455	-12.45	729.576
3207	3208	Sidewalk Cross Slope	4	10.00	0.15	1.50%	0.5% to 2.0%					3313	12379.996	-5.52	730.087
3208	3209	Sidewalk Running Slope	4	10.00	0.4	4.00%	0.5% to 5.0%					3314	12379.961	-5	730.095
3209	3210	Ramp Running Slope	6	6.94	-0.33	-4.80%	0.5% to 8.3%					4101	13519.247	-50.24	707.931
3209	3313	Landing/Turning Space	4	7.87	0.12	1.50%	0.1% to 2.0%					4102	13518.967	-40.22	707.771
3210	3211	Ramp Running Slope	6	4.91	-0.23	-4.80%	0.5% to 8.3%					4103	13518.688	-30.22	707.623

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
3210	3212	Ramp Cross Slope	6	7.96	-0.06	-0.80%	0.1% to 2.0%					4104	13493.672	-5	707.497
3211	3212	Crosswalk Cross Slope - Yield Condition	6	9.40	0.17	1.80%	0.0% to 2.0%					4105	13493.672	5	707.647
3212	3313	Ramp Running Slope	6	6.95	0.51	7.40%	0.5% to 8.3%	Yes				4106	13552.904	5	707.066
3313	3314	Landing/Turning Space	4	0.52	0.01	1.50%	0.1% to 2.0%					4107	13553.031	-5	706.915
4101	4102	Landing/Turning Space	4	10.02	-0.16	-1.60%	0.1% to 2.0%	Yes				4108	13528.689	-29.94	707.517
4101	4110	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.11	-1.00%	0.0% to 2.0%					4109	13528.963	-39.94	707.671
4102	4103	Landing/Turning Space	4	10.00	-0.15	-1.50%	0.1% to 2.0%					4110	13529.242	-49.91	707.826
4102	4109	Landing/Turning Space	4	10.00	-0.1	-1.00%	0.1% to 2.0%					4201	20108.394	-5	709.273
4103	4104	Landing/Turning Space	4	35.52	-0.13	-0.40%	0.1% to 2.0%					4202	20088.413	-5	708.987
4103	4108	Landing/Turning Space	4	10.00	-0.11	-1.10%	0.1% to 2.0%					4203	20086.932	5	708.844
4104	4105	Landing/Turning Space	4	10.00	0.15	1.50%	0.1% to 2.0%					4204	20088.413	5	708.866
4105	4106	Landing/Turning Space	4	59.23	-0.58	-1.00%	0.1% to 2.0%					4205	20108.129	5	709.166
4106	4107	Landing/Turning Space	4	10.00	-0.15	-1.50%	0.1% to 2.0%					4301	20151.786	-5	710.018
4107	4108	Landing/Turning Space	4	34.85	0.6	1.70%	0.1% to 2.0%	Yes				4302	20146.259	2.66	709.883
4108	4109	Landing/Turning Space	4	10.00	0.15	1.50%	0.1% to 2.0%					4303	20144.9	5	709.843
4109	4110	Landing/Turning Space	4	9.97	0.15	1.60%	0.1% to 2.0%	Yes				4304	20160.696	6.06	709.727
4201	4202	Landing/Turning Space	4	19.98	-0.29	-1.40%	0.1% to 2.0%					4305	20161.465	6.15	709.685
4201	4205	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.11	-1.10%	0.0% to 2.0%					4306	20172.235	5.85	709.554
4202	4203	Crosswalk Cross Slope - Yield Condition	6	10.11	-0.14	-1.40%	0.0% to 2.0%					4307	20221.774	4.27	709.393
4202	4204	Landing/Turning Space	4	10.00	-0.12	-1.20%	0.1% to 2.0%					4308	20238.703	2.84	708.445
4203	4204	Landing/Turning Space	4	1.48	0.02	1.50%	0.1% to 2.0%					4309	20249.338	2.5	708.024
4204	4205	Landing/Turning Space	4	19.72	0.3	1.50%	0.1% to 2.0%					4310	20249.335	-2.5	707.932
4301	4302	Crosswalk Cross Slope - Yield Condition	6	9.45	-0.13	-1.40%	0.0% to 2.0%					4311	20248.804	-6.21	707.737
4301	4317	Ramp Running Slope	6	10.23	-0.21	-2.00%	0.5% to 8.3%					4312	20257.401	-8.81	707.252
4302	4303	Crosswalk Cross Slope - Yield Condition	6	2.71	-0.04	-1.50%	0.0% to 2.0%								
4303	4304	Ramp Running Slope	6	15.83	-0.12	-0.70%	0.5% to 8.3%								
4304	4305	Landing/Turning Space	4	0.77	-0.04	-5.40%	0.1% to 6.4%								
4304	4317	Landing/Turning Space	4	10.00	0.08	0.80%	0.1% to 2.0%								
4305	4306	Landing/Turning Space	4	10.77	-0.13	-1.20%	0.1% to 2.0%								
4306	4307	Sidewalk Running Slope	4	49.56	-0.16	-0.30%	0.5% to 5.0%								
4306	4316	Landing/Turning Space	4	10.00	0.15	1.50%	0.1% to 2.0%					4314	20237.793	-8.71	708.271
4307	4308	Ramp Running Slope	6	16.99	-0.95	-5.60%	0.5% to 8.3%					4315	20220.933	-5.69	709.205
4307	4315	Ramp Cross Slope	6	10.00	-0.19	-1.90%	0.1% to 2.0%	Yes				4316	20171.951	-4.15	709.707
4308	4309	Ramp Running Slope	6	10.64	-0.42	-4.00%	0.5% to 8.3%					4317	20161.955	-3.86	709.809
4308	4314	Ramp Cross Slope	6	11.59	-0.17	-1.50%	0.1% to 2.0%					5101	14834.995	-4.73	695.467
4309	4310	Ramp Cross Slope	6	5.00	-0.09	-1.80%	0.1% to 2.0%	Yes				5102	14824.996	-5	696.152
4310	4311	Ramp Running Slope	6	3.75	-0.2	-5.20%	0.5% to 8.3%					5103	14823.278	-5	696.178
4311	4312	Ramp Running Slope	6	8.98	-0.49	-5.40%	0.5% to 8.3%					5104	14822.827	-12.21	696.278
4311	4313	Ramp Cross Slope	6	2.51	-0.04	-1.80%	0.1% to 2.0%	Yes				5105	14818.587	-12.19	696.325
4312	4313	Crosswalk Cross Slope - Yield Condition	6	8.45	0.44	5.20%	0.0% to 6.2%					5106	14818.586	-5	696.253
4313	4314	Crosswalk Cross Slope - Yield Condition	6	11.15	0.58	5.20%	0.0% to 6.2%					5107	14807.614	-5	696.154
4314	4315	Ramp Running Slope	6	17.13	0.93	5.50%	0.5% to 8.3%					5108	14807.614	5	696.004
4315	4316	Sidewalk Running Slope	4	49.01	0.5	1.00%	0.5% to 5.0%					5109	14818.584	5	696.094
4316	4317	Landing/Turning Space	4	10.00	0.1	1.00%	0.1% to 2.0%					5110	14816.757	35.34	695.52
5101	5102	Ramp Running Slope	6	10.00	0.69	6.80%	0.5% to 8.3%					5111	14817.636	40.42	695.378
5101	5116	Crosswalk Cross Slope - Yield Condition	6	9.95	-0.1	-1.00%	0.0% to 2.0%					5112	14824.622	40.84	695.35
5102	5103	Landing/Turning Space	4	1.72	0.03	1.50%	0.1% to 2.0%								
5102	5115	Landing/Turning Space	4	10.00	-0.15	-1.50%	0.1% to 2.0%								
5103	5104	Ramp Running Slope	6	7.22	0.1	1.40%	0.5% to 8.3%								
5103	5106	Landing/Turning Space	4	4.69	0.08	1.60%	0.1% to 2.0%	Yes							
5104	5105	Crosswalk Cross Slope - Yield Condition	6	4.24	0.05	1.10%	0.0% to 2.0%								
5105	5106	Sidewalk Running Slope	4	7.19	-0.07	-1.00%	0.5% to 5.0%					5113	14825.033	35.86	695.443
5106	5109	Landing/Turning Space	4	10.00	-0.16	-1.60%	0.1% to 2.0%	Yes				5114	14823.903	5	696.019
5107	5108	Sidewalk Running Slope	4	10.97	-0.15	-1.40%	0.5% to 5.0%					5115	14824.996	5	696.002
5108	5109	Sidewalk Cross Slope	4	10.00	0.09	0.90%	0.5% to 2.0%					5116	14835.414	5.21	695.364
5109	5110	Sidewalk Running Slope	4	10.97	-0.57	-5.20%	0.5% to 6.2%					6101	20536.5	-6.08	694.958
5109	5114	Sidewalk Running Slope	4	30.39	-0.08	-0.20%	0.5% to 5.0%					6102	20540.199	-2.5	695.009
5110	5111	Landing/Turning Space	4	5.32	-0.14	-2.70%	0.1% to 3.7%					6103	20539.576	-2.5	695.019
5110	5113	Sidewalk Running Slope	4	5.16	-0.08	-1.50%	0.5% to 5.0%					6104	20525.847	-2.5	695.547
5111	5112	Sidewalk Cross Slope	4	8.29	-0.03	-0.30%	0.5% to 2.0%					6105	20525.844	2.5	695.622

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SIDEWALK COMPLIANCE

See S Sheets

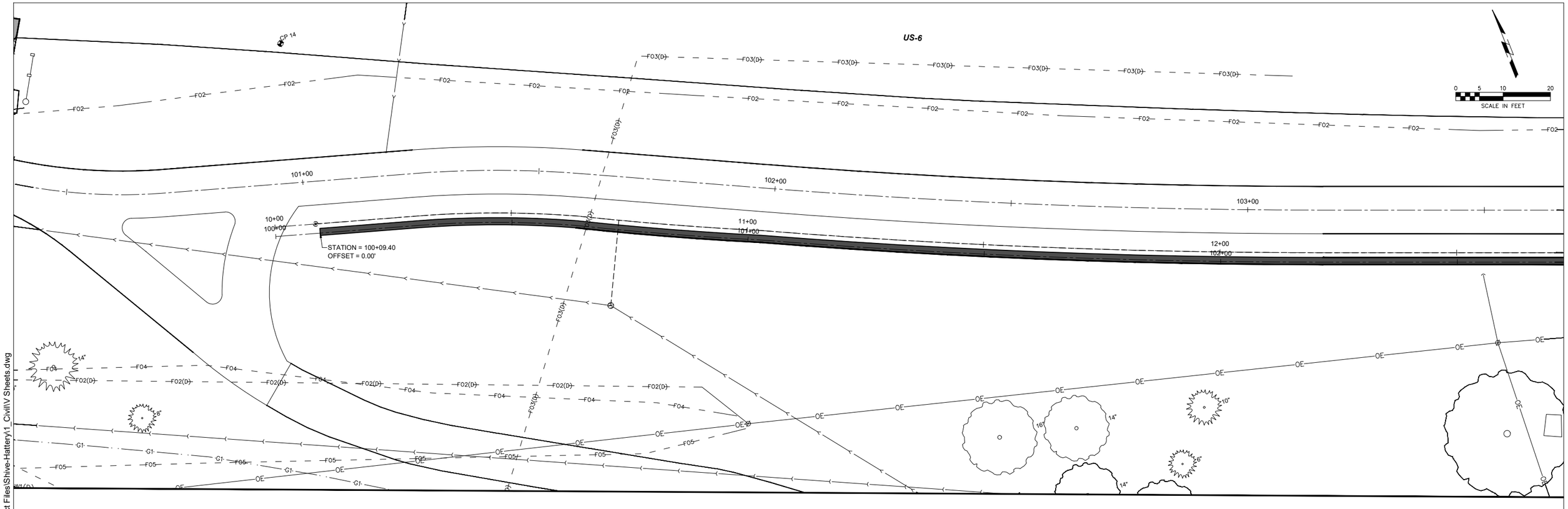
* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
5112	5113	Match Existing Cross Slope	4	7.00	0.09	1.30%	Match Existing					6106	20539.576	2.5	695.094
5113	5114	Sidewalk Running Slope	4	5.00	0.58	11.50%	0.5% to 12.5%					6107	20546.63	2.5	695.036
5114	5115	Sidewalk Running Slope	4	30.88	-0.02	-0.10%	0.5% to 5.0%					6108	20553.098	2.5	695.085
5115	5116	Landing/Turning Space	4	1.093	-0.64	-58.40%	0.1% to 59.4%					0	0	0	0
6101	6102	Ramp Running Slope	6	10.420116	0.05	0.50%	0.5% to 8.3%					0	0	0	0
6101	6112	Landing/Turning Space	4	5.147718	-0.07	-1.40%	0.1% to 2.0%					0	0	0	0
6102	6103	Crosswalk Cross Slope - Yield Condition	6	4.5597671	0.01	0.20%	0.0% to 2.0%					0	0	0	0
6102	6111	Landing/Turning Space	4	0.623	-0.08	-12.80%	0.1% to 13.8%					0	0	0	0
6103	6104	Landing/Turning Space	4	5.358143	0.53	9.90%	0.1% to 10.9%					0	0	0	0
6103	6106	Sidewalk Running Slope	4	13.729	0.08	0.50%	0.5% to 5.0%					0	0	0	0
6104	6105	Landing/Turning Space	4	5	0.07	1.50%	0.1% to 2.0%					0	0	0	0
6105	6106	Sidewalk Cross Slope	4	5.0000009	-0.53	-10.60%	0.5% to 11.6%					0	0	0	0
6106	6107	Sidewalk Running Slope	4	13.732	-0.06	-0.40%	0.5% to 5.0%					0	0	0	0
6107	6108	Landing/Turning Space	4	7.054	0.05	0.70%	0.1% to 2.0%					0	0	0	0
6107	6110	Landing/Turning Space	4	6.468	-0.13	-1.90%	0.1% to 2.0%	Yes				0	0	0	0
6108	6109	Landing/Turning Space	4	6	-0.12	-2.00%	0.1% to 2.0%	Yes				0	0	0	0
6109	6110	Landing/Turning Space	4	6.6346958	0.02	0.003	0.1% to 2.0%					0	0	0	0
6110	6111	Landing/Turning Space	4	1.167	-0.04	-0.039	0.1% to 2.0%					0	0	0	0
6111	6112	Landing/Turning Space	4	5.6600061	-0.04	-0.008	0.1% to 2.0%					0	0	0	0

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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	RETAINING WALL PLAN AND PROFILE	SHEET NUMBER V.01

US-6

SCALE IN FEET 0 5 10 20

STATION = 104+90.59
OFFSET = 0.00'

STATION = 200+
OFFSET = 0.00'

CITY OF IOWA CITY, IOWA
1102 HOLLYWOOD BLVD
1023231002

J&KP, LLC
1831 TAYLOR DR
1023231001

TAYLOR DR

STA 14+93.23
EL 710.07

STA 14+54.84
EL 710.07

STA 14+20.28
EL 708.55

PROPOSED GRADE AT TOP OF WALL

EDGE OF SHOULDER

STA 13+81.88
EL 707.03

STA 13+43.48
EL 705.51

TOP OF WALL

STA 13+01.24
EL 703.99

STA 12+62.84
EL 702.49

STA 14+85.55
EL 703.99

STA 14+70.19
EL 702.47

STA 14+39.47
EL 700.95

STA 14+04.91
EL 699.43

STA 13+35.79
EL 697.91

EXISTING GRADE AT BOTTOM OF WALL

STA 12+89.71
EL 696.39

STA 12+50.00
EL 694.87

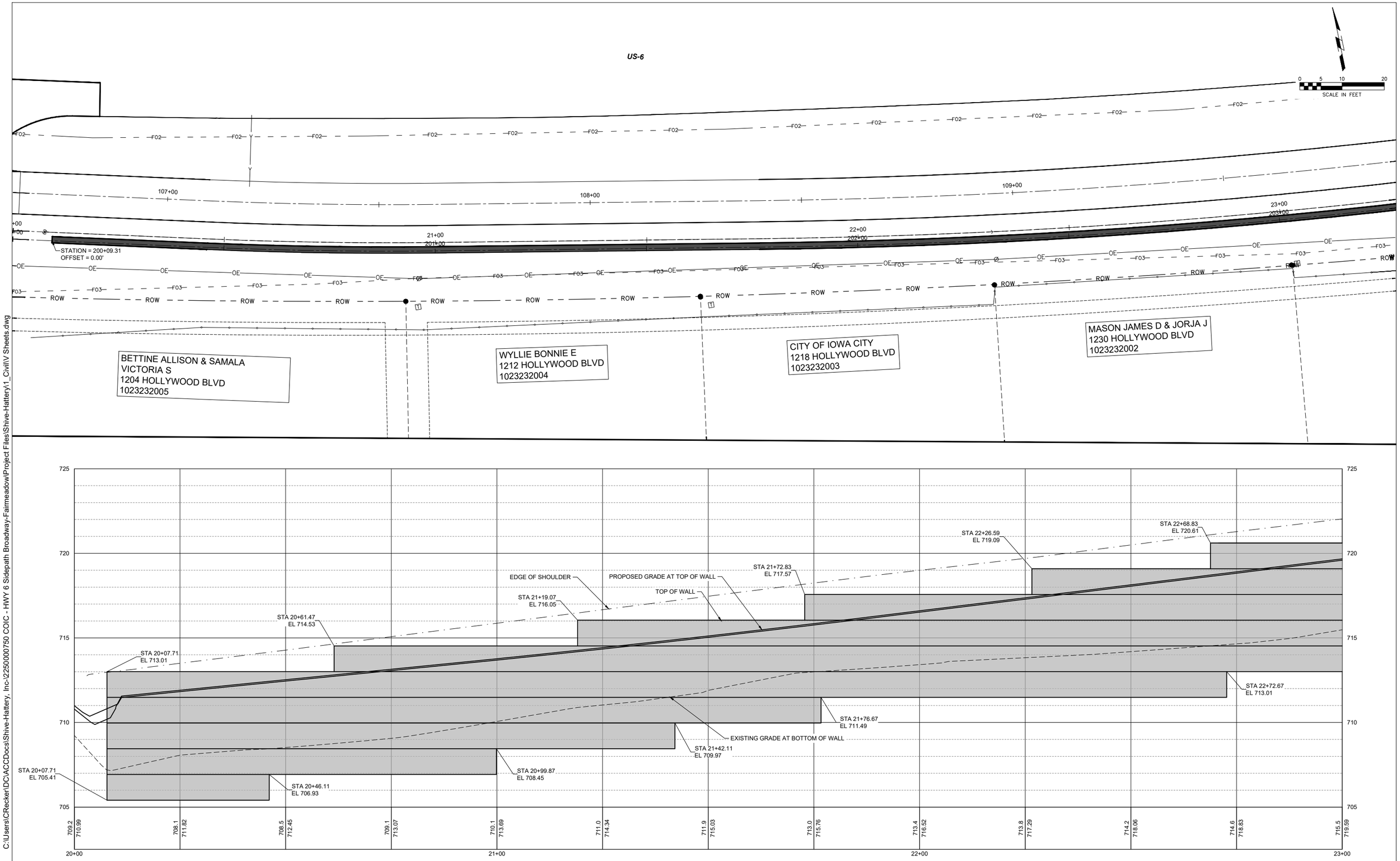
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710
705
700
695
694

12+50 13+00 14+00 15+00

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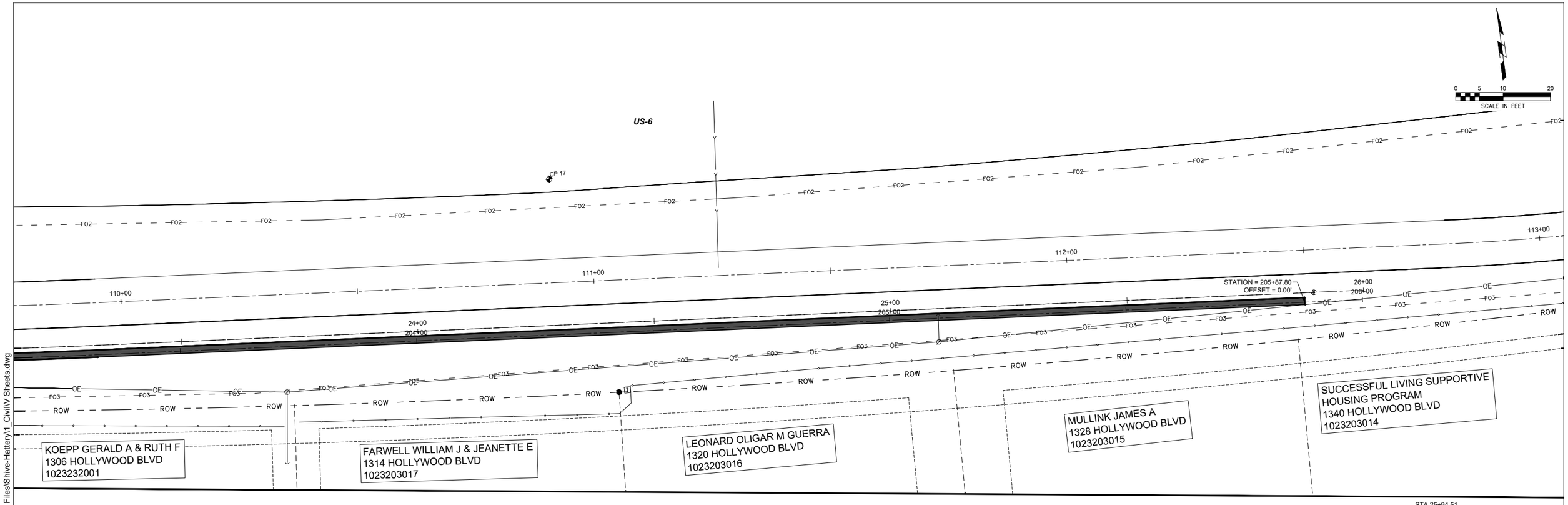
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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	RETAINING WALL PLAN AND PROFILE	SHEET NUMBER V.02



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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	RETAINING WALL PLAN AND PROFILE	SHEET NUMBER V.03

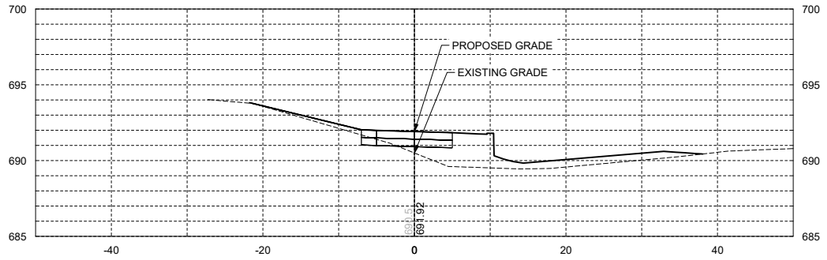


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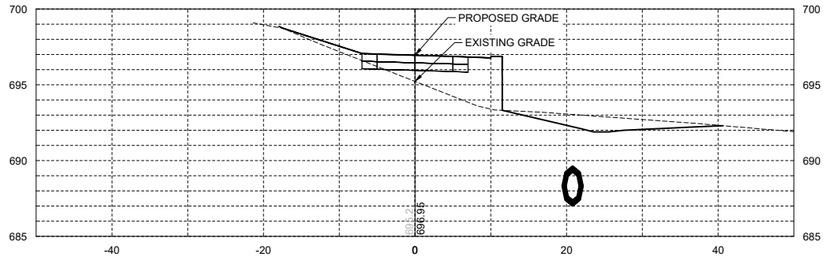
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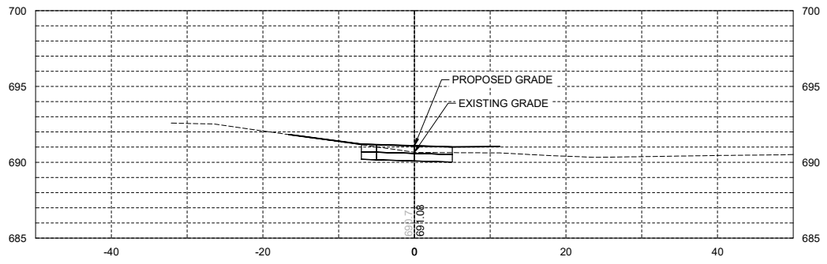
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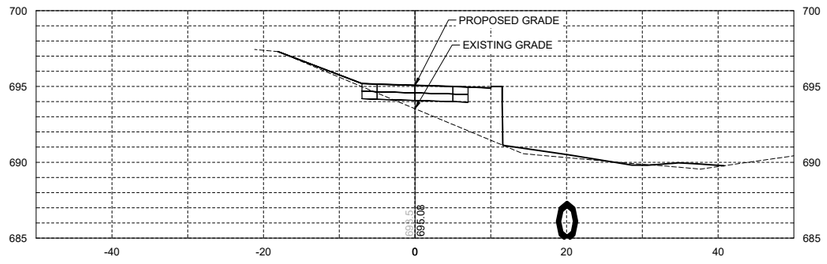
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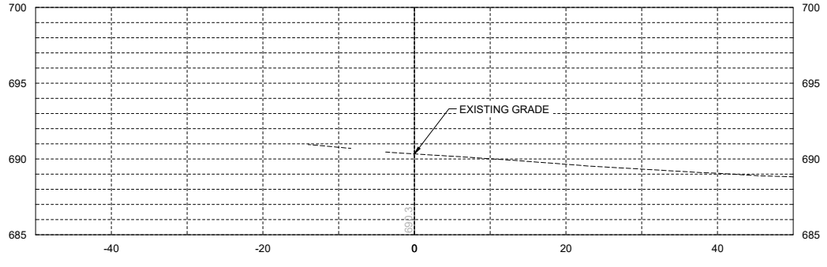
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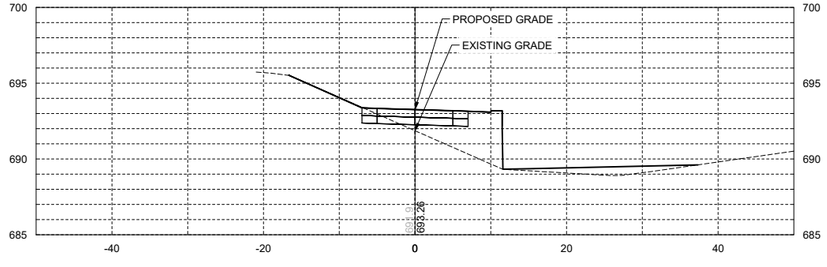
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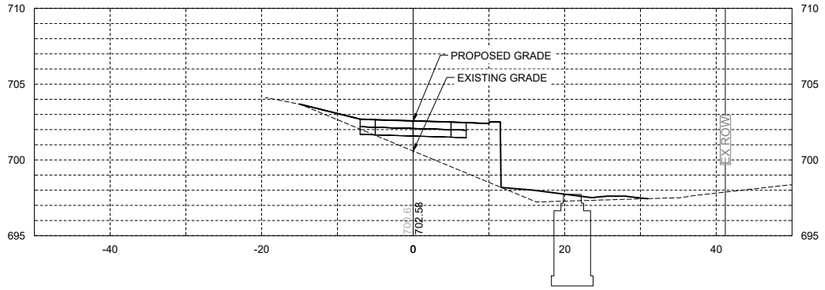
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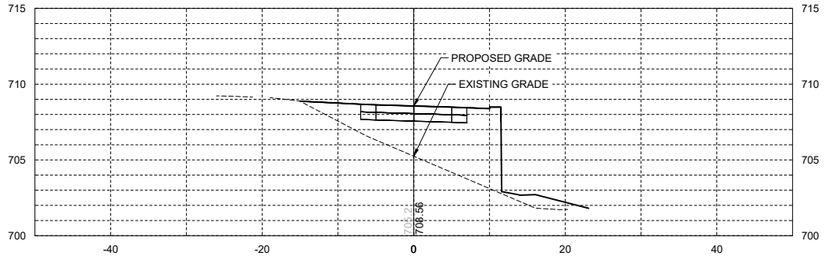
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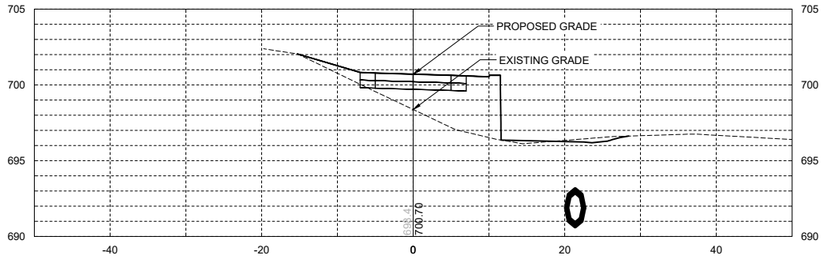
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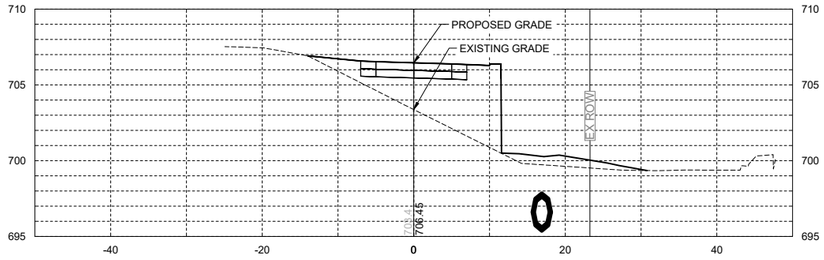
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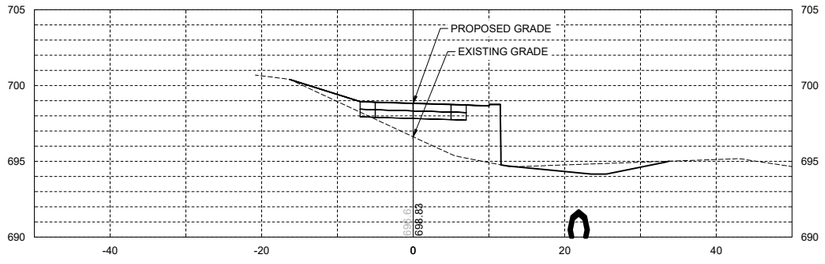
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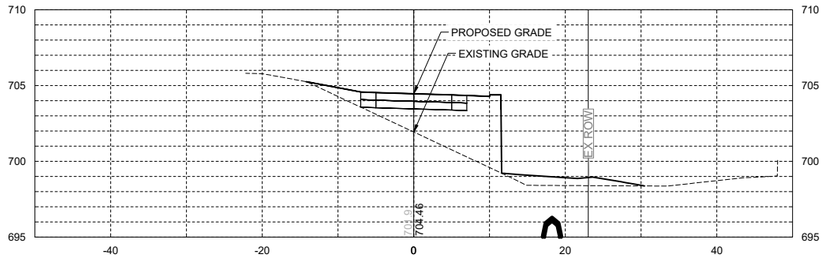
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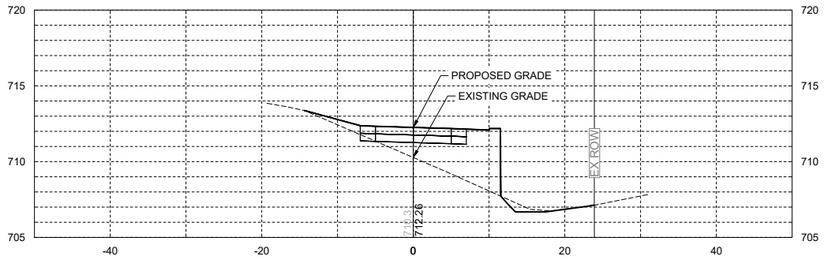
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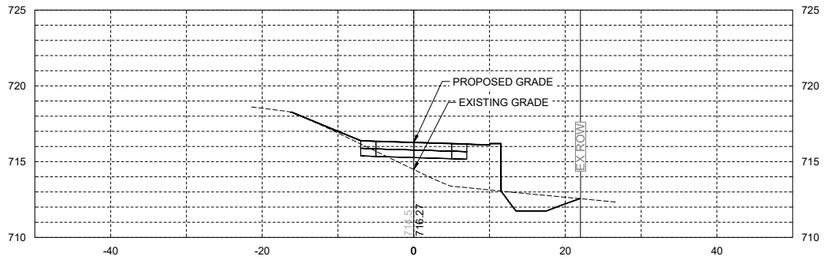
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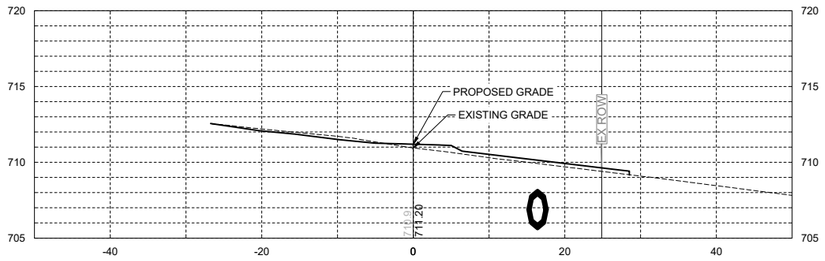
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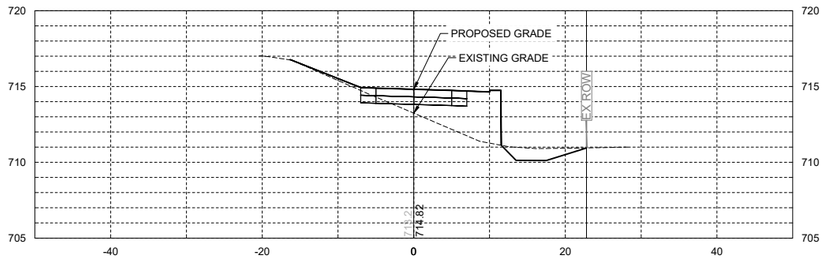
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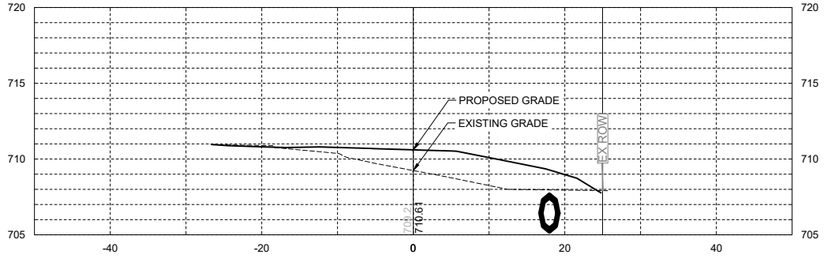
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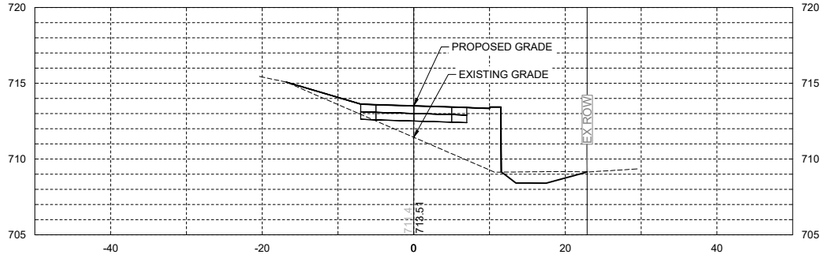
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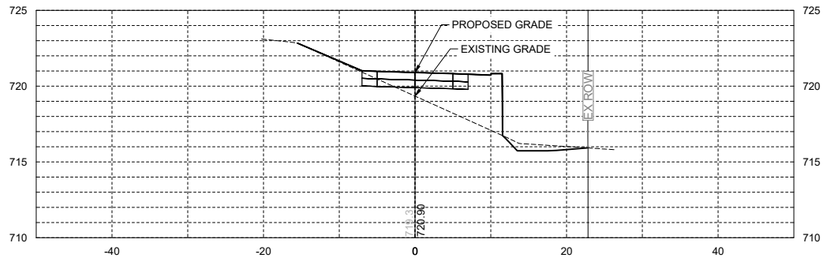


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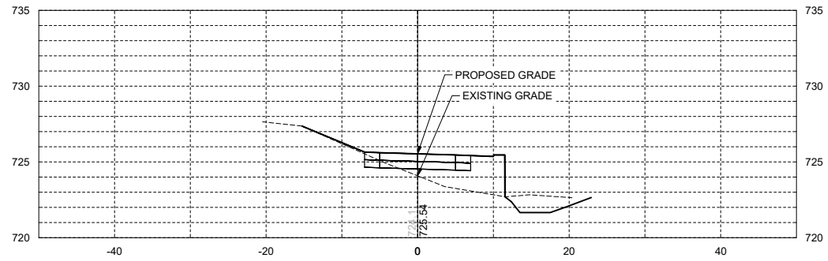


S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.03

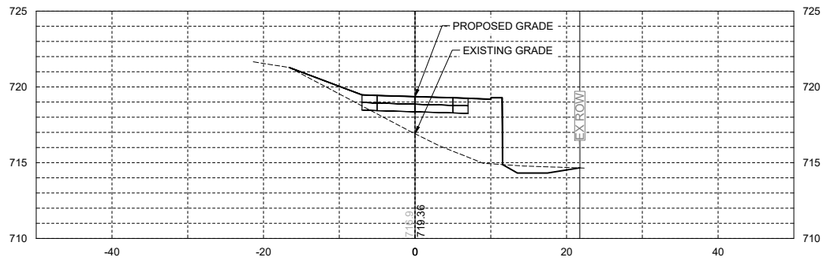
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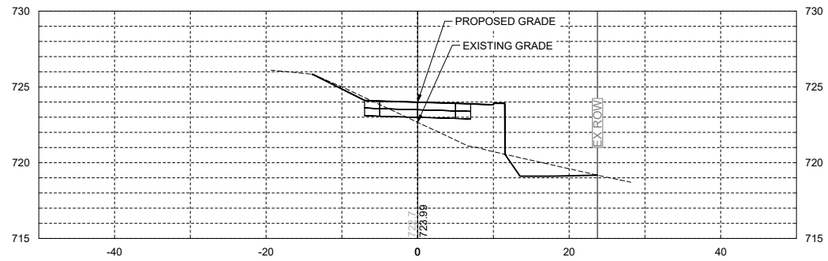
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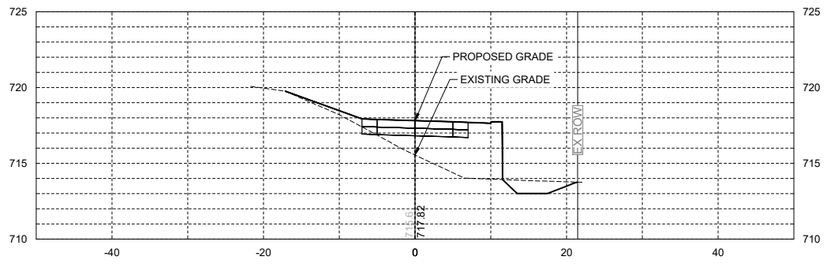
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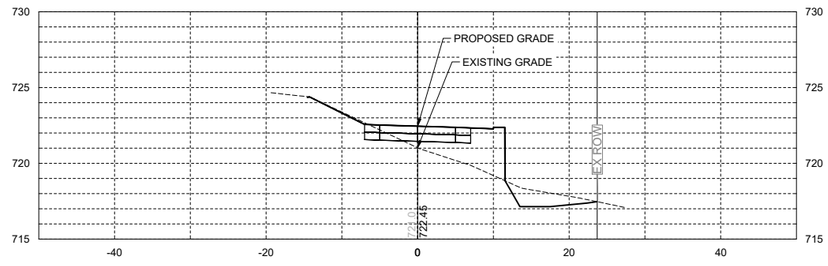
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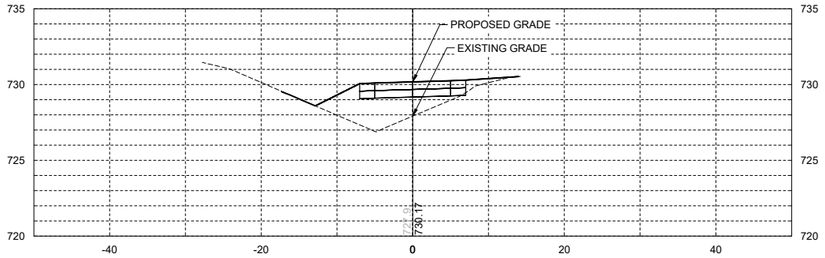


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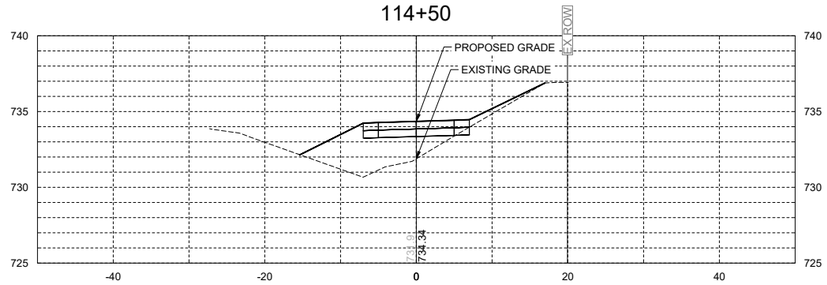
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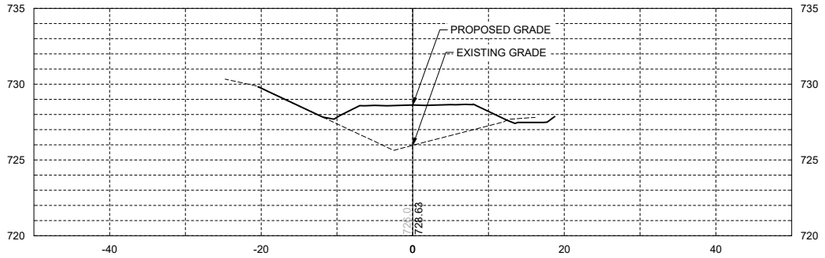
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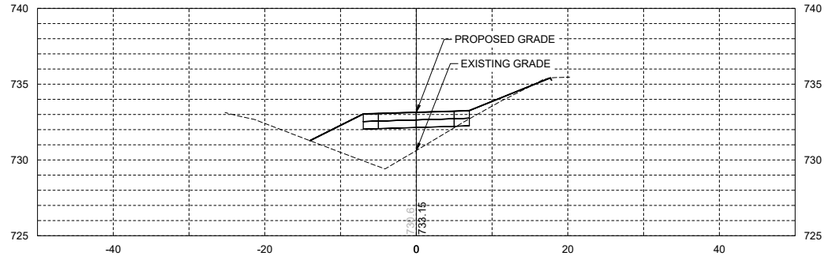
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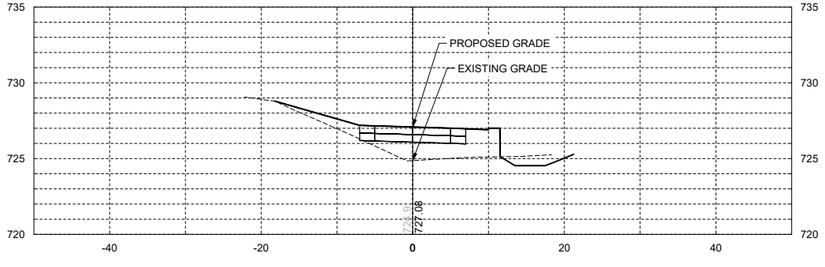
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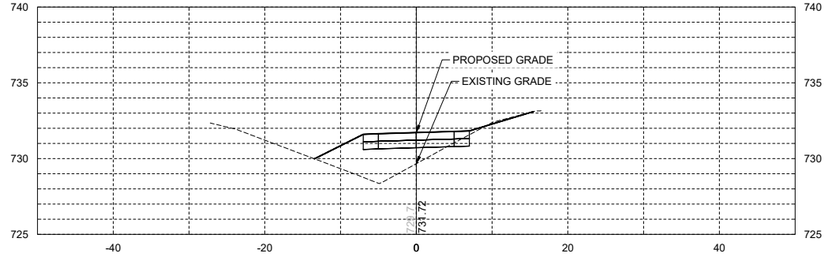
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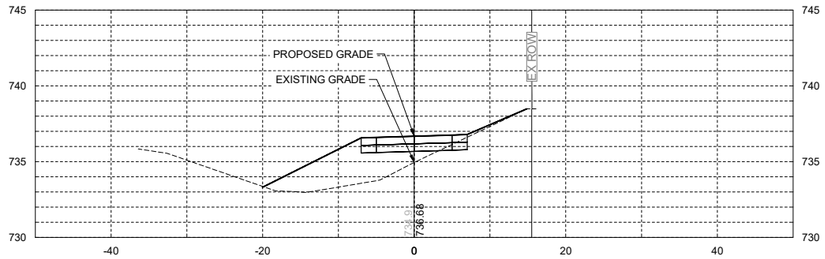


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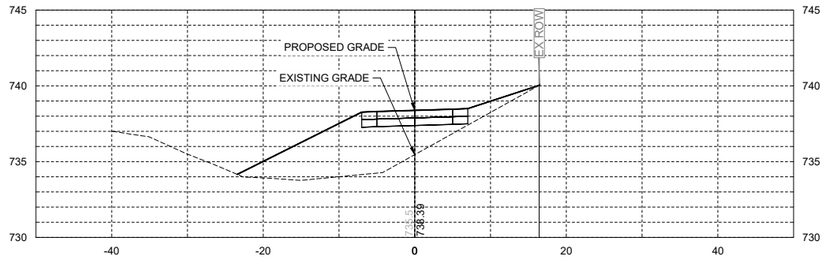


S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.05

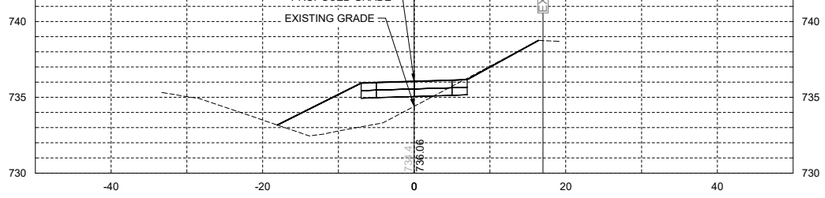
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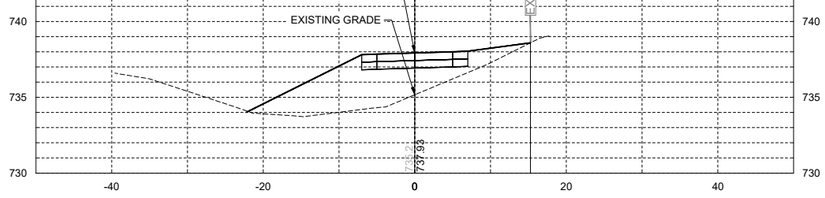
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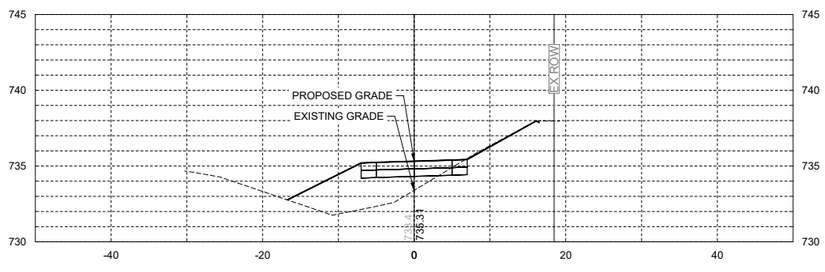
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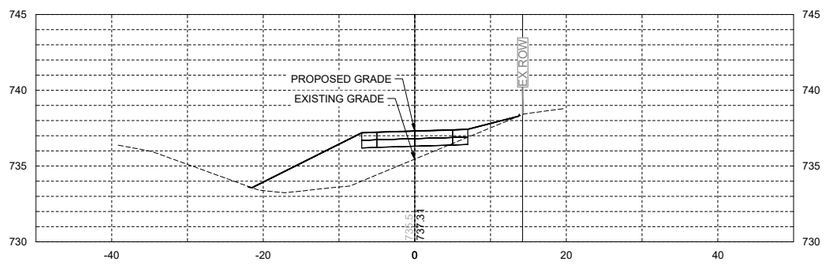
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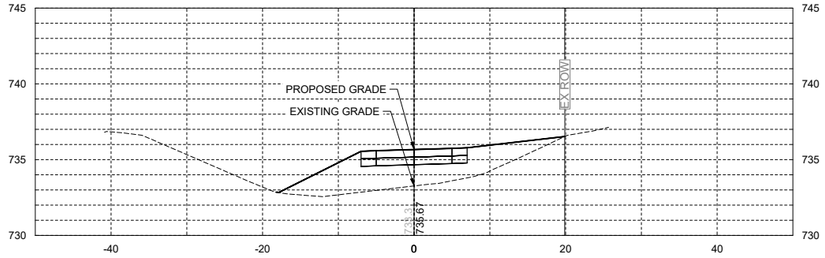
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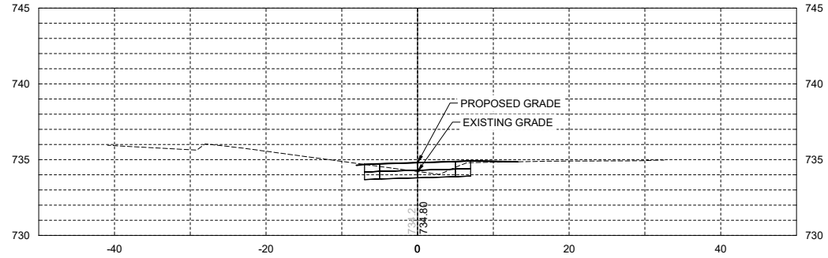
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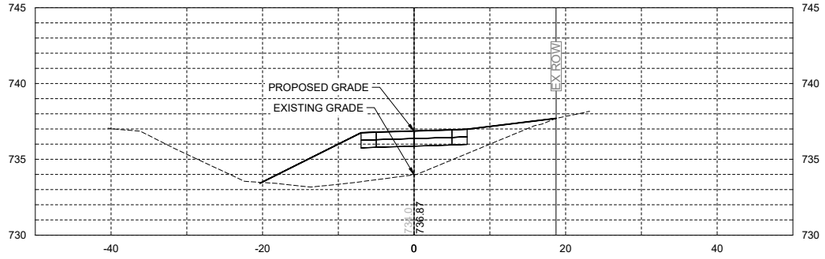
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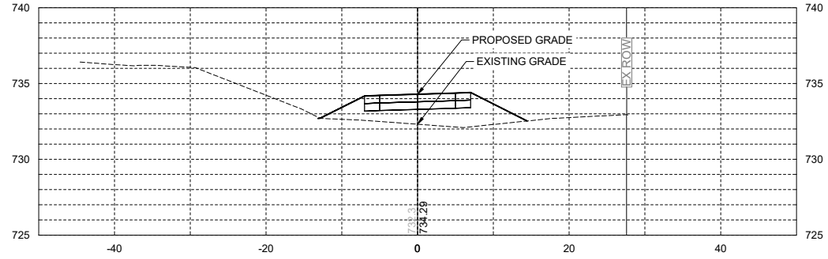
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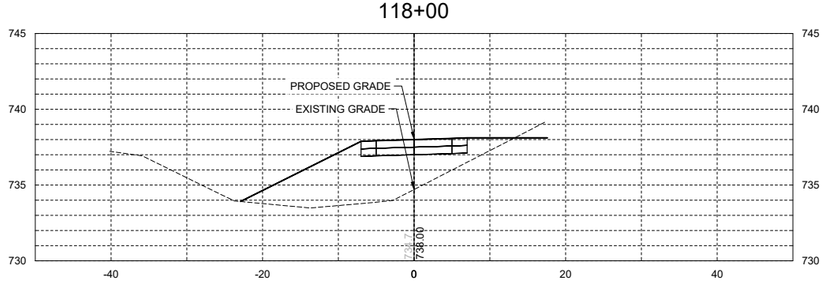
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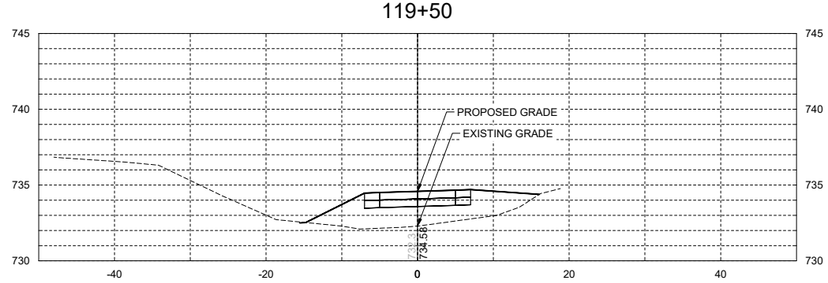
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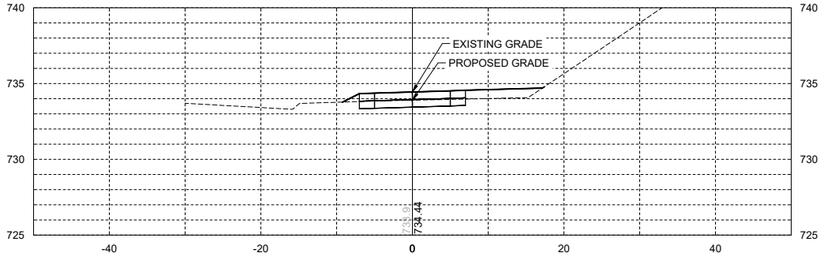


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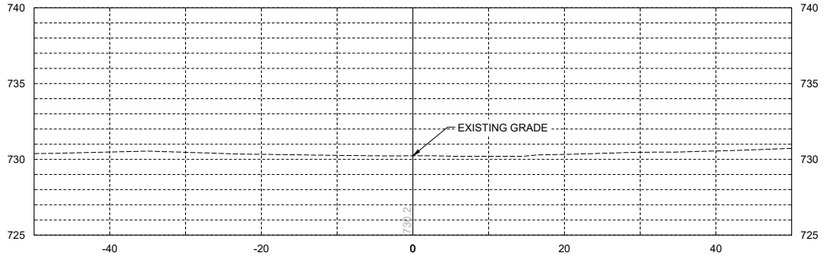


S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.07

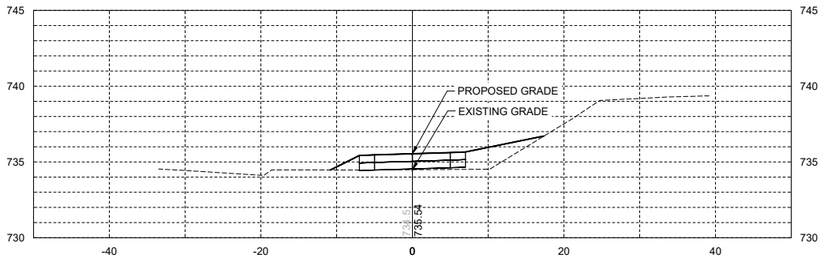
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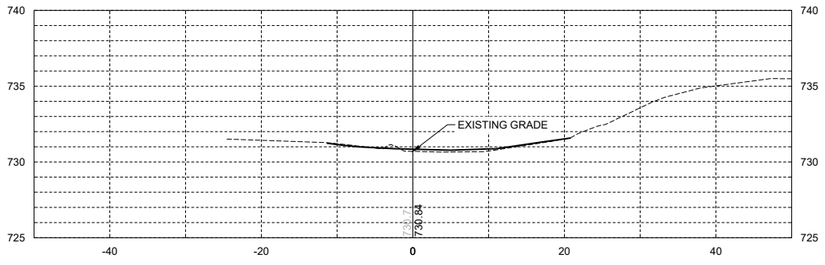
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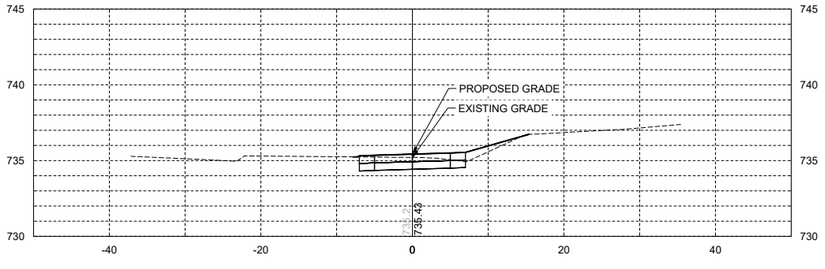
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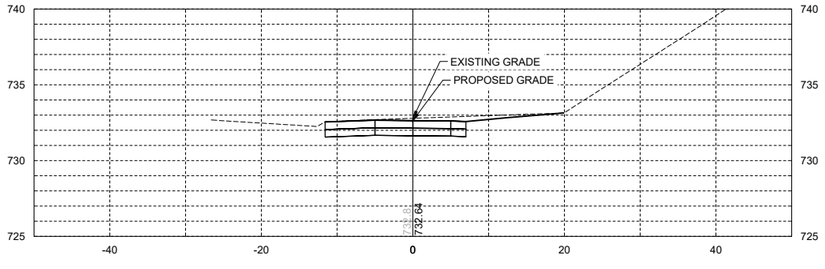
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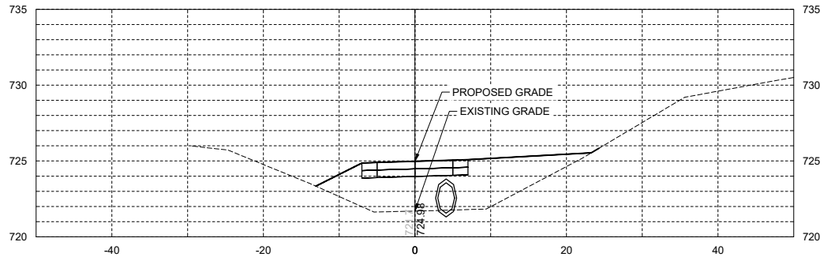


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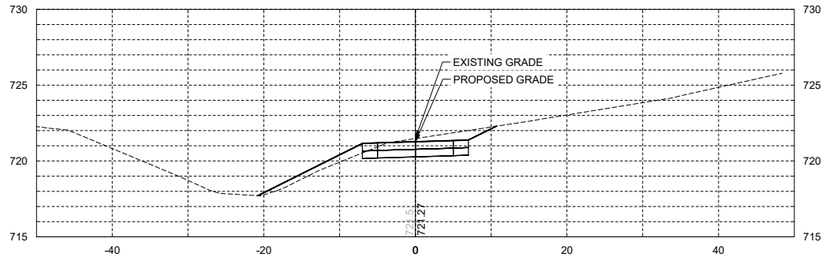
S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.08

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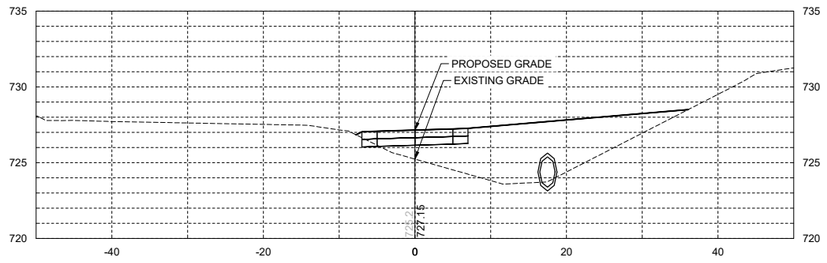
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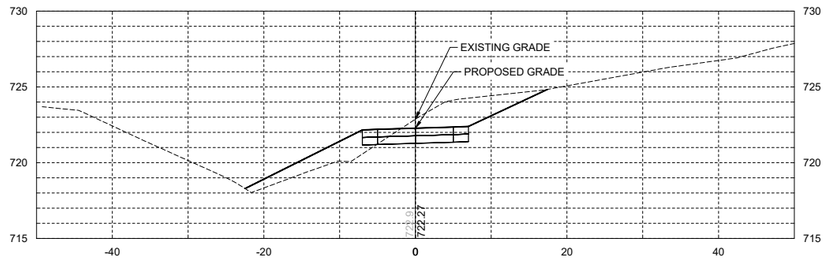
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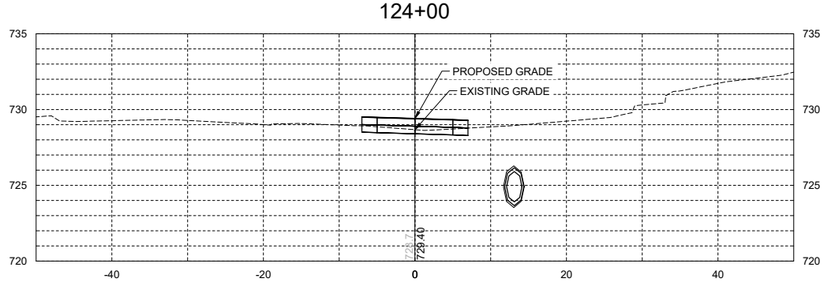
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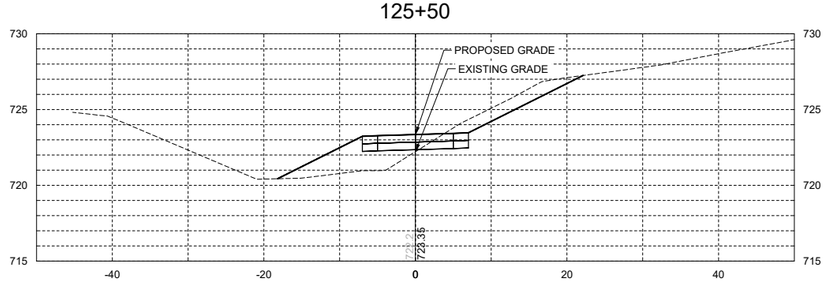
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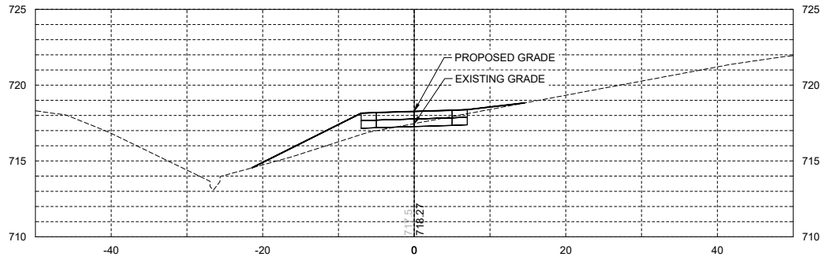
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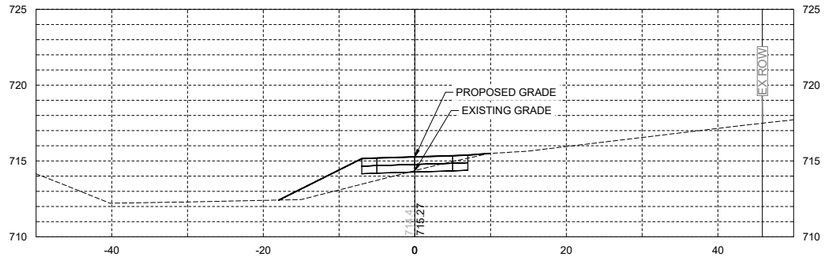
S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.09

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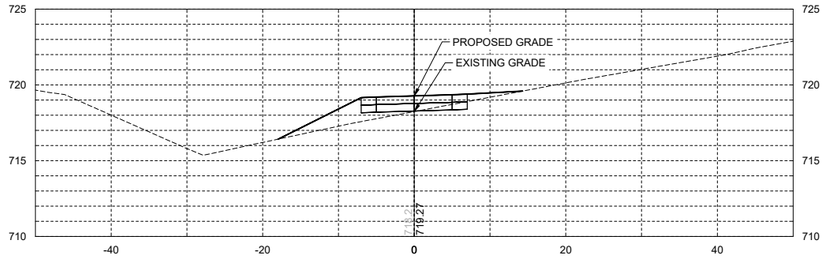
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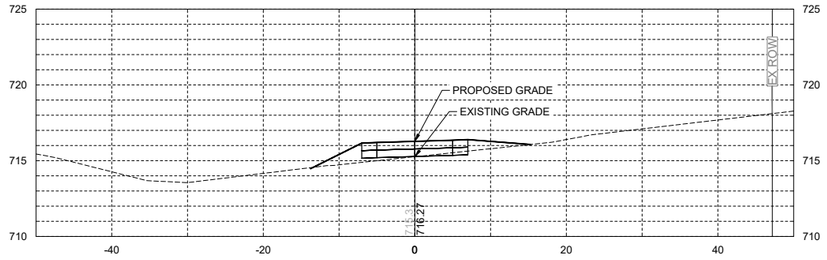
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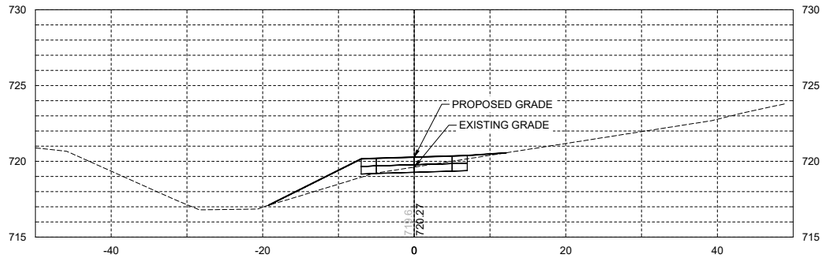
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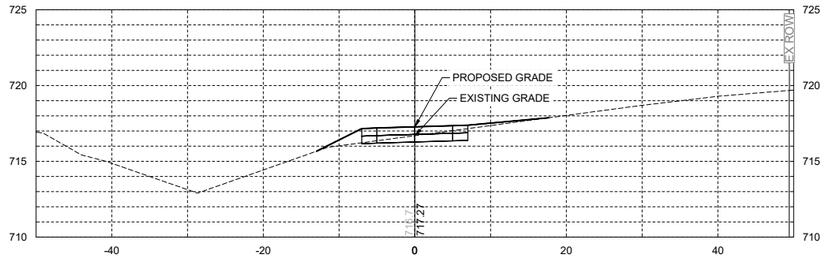
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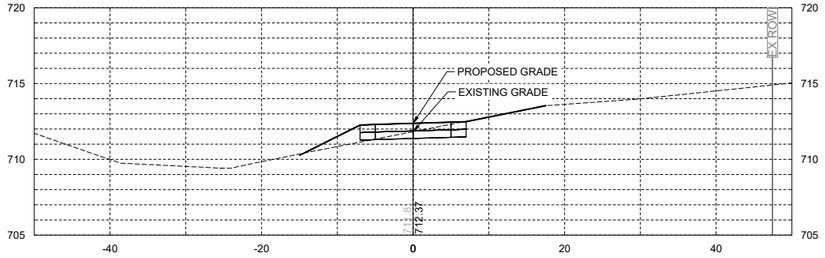


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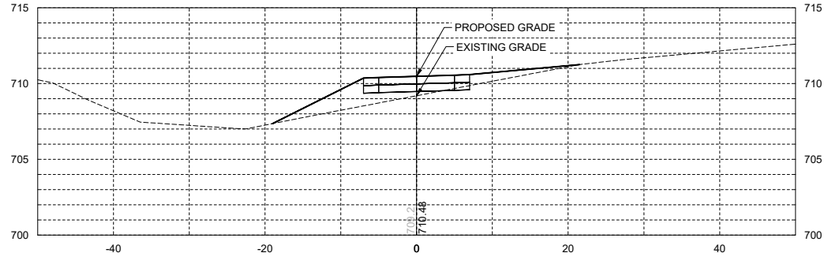


S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.10

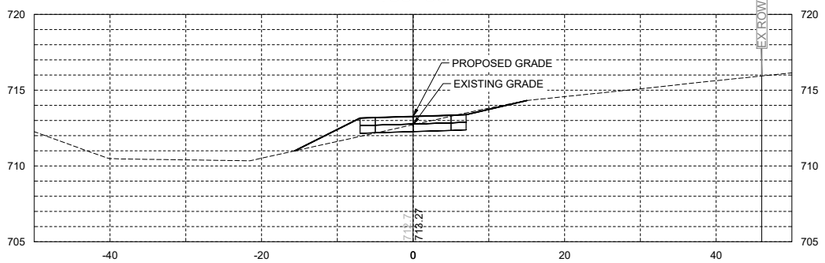
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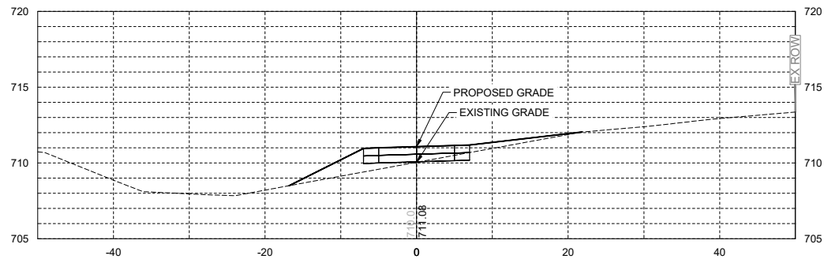
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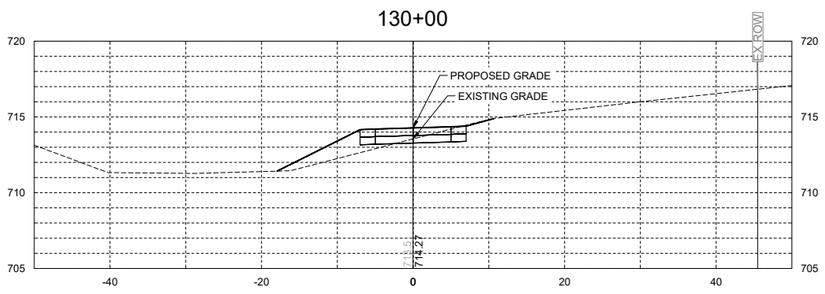
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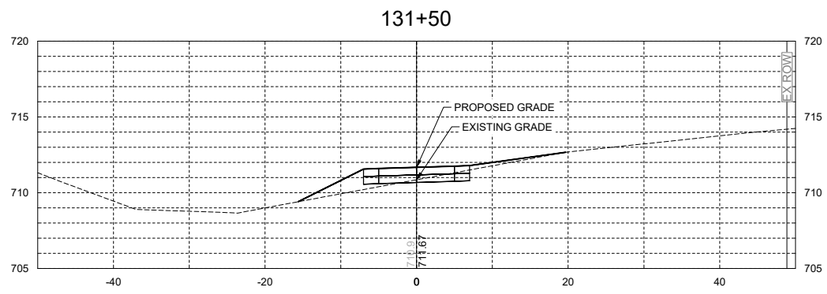
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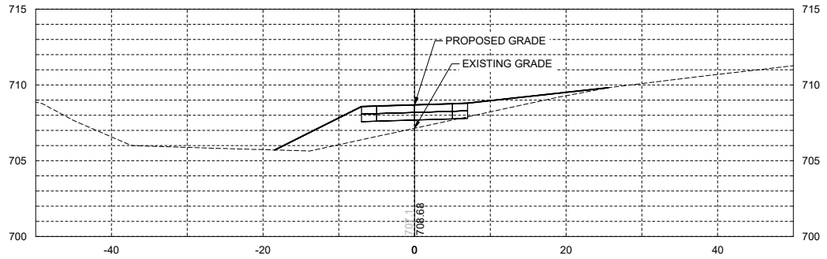
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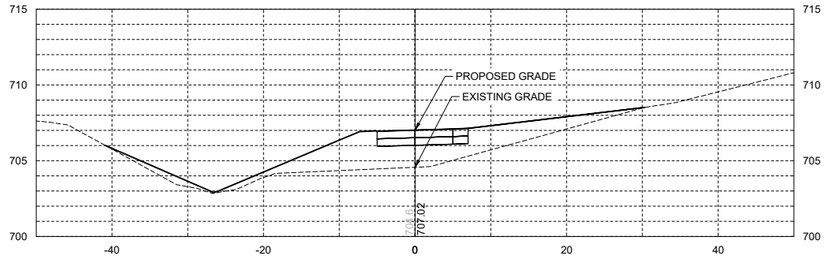
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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.11

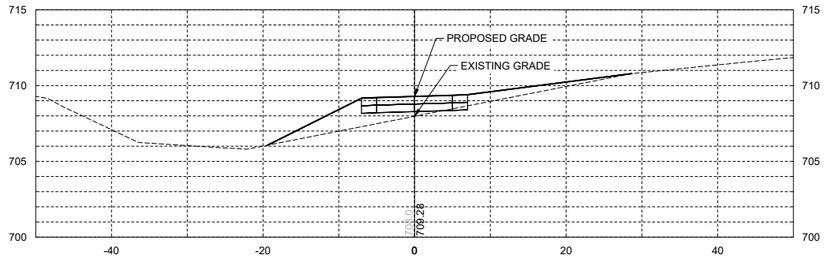
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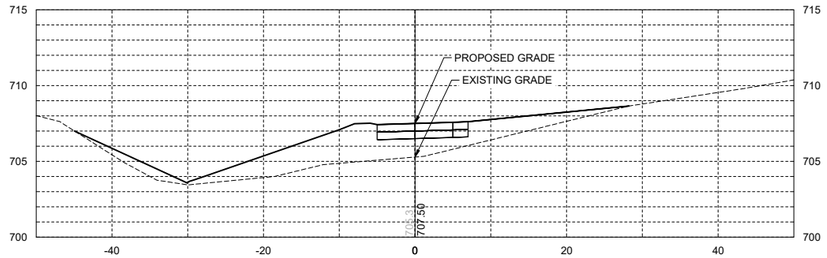
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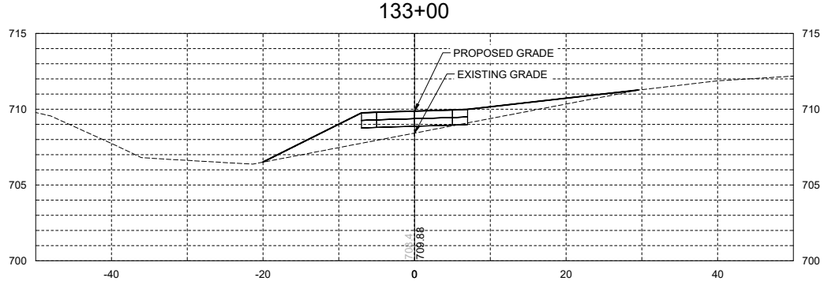
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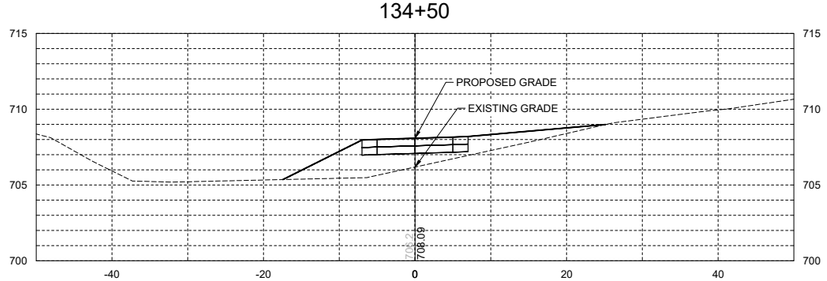
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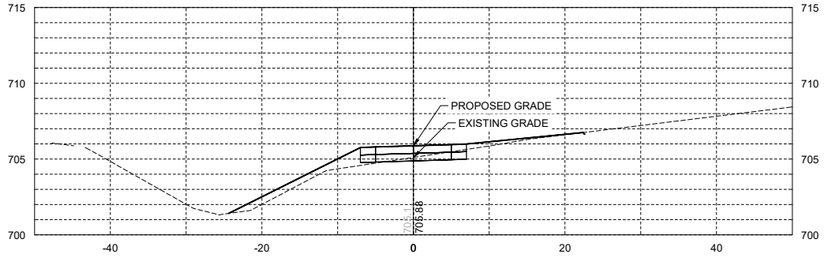
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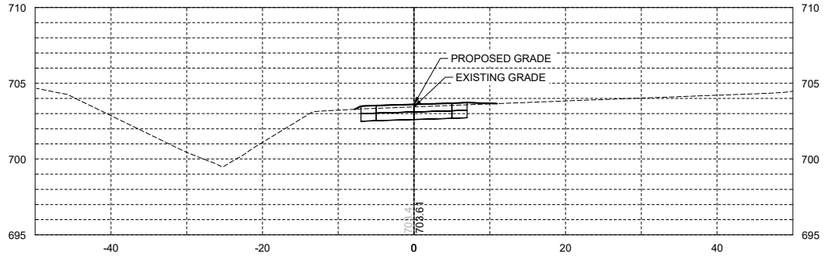
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S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.12

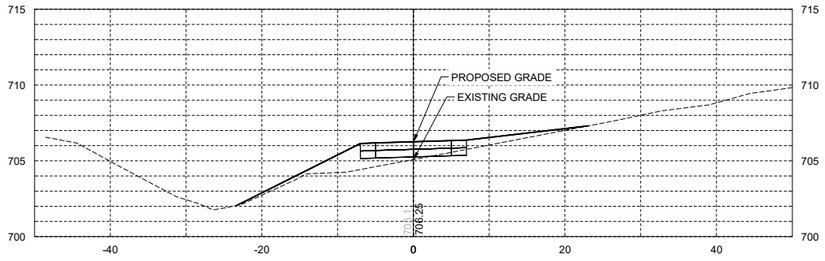
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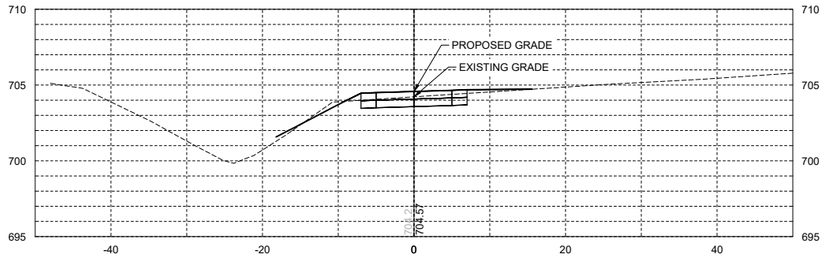
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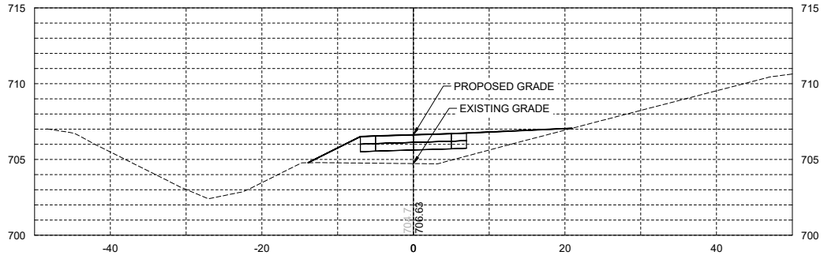
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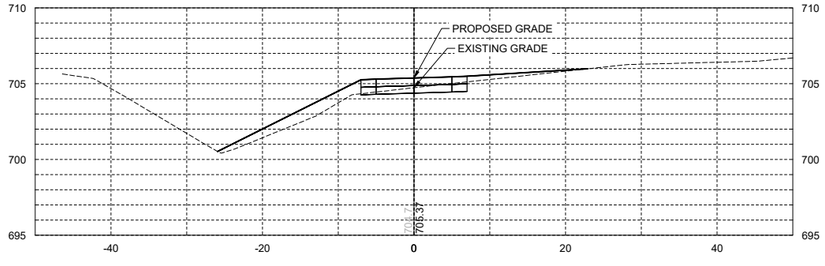
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136+00



137+50

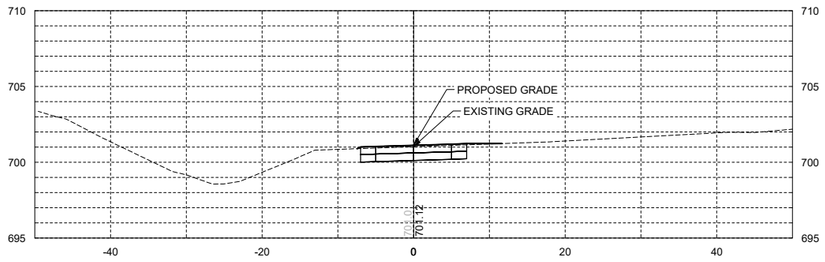


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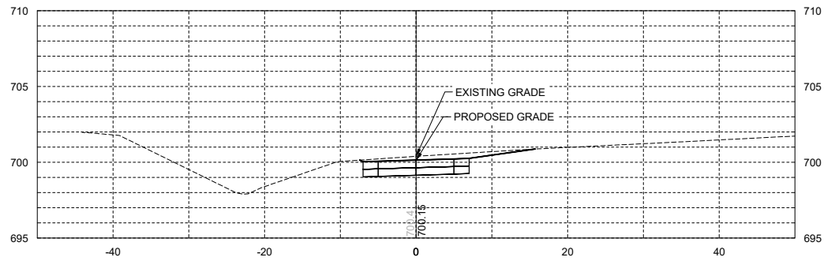
S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.13

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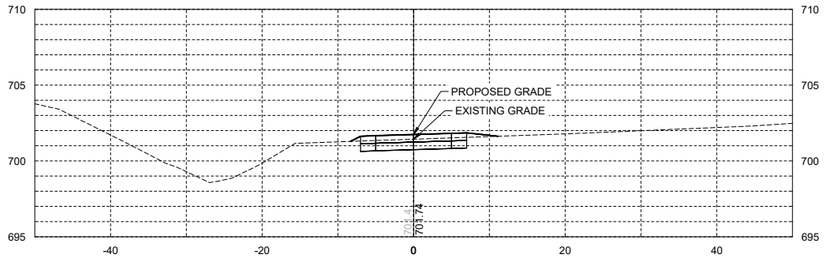
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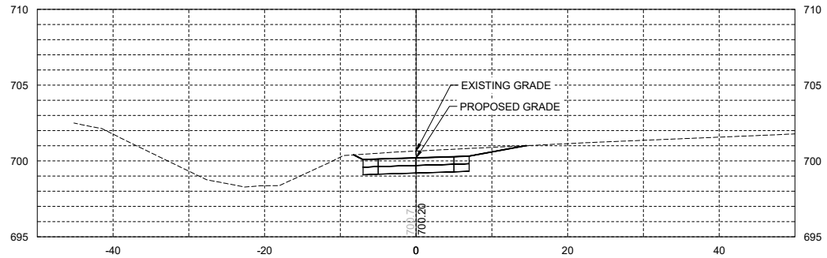
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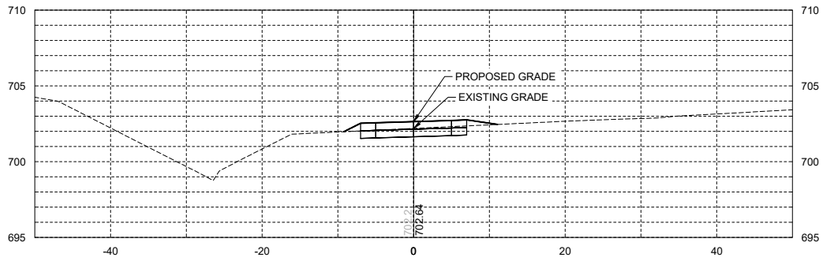
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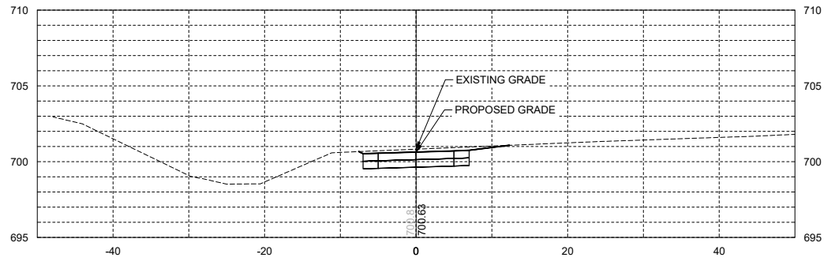
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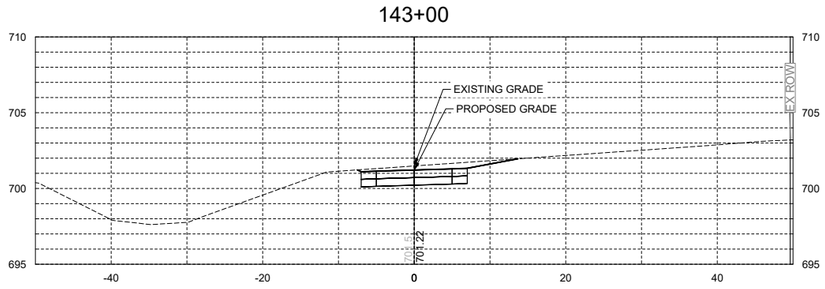


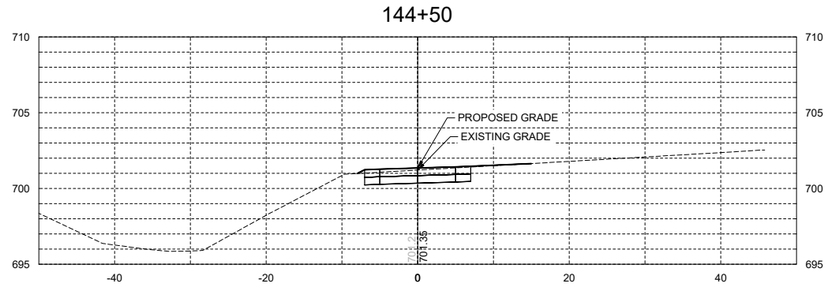
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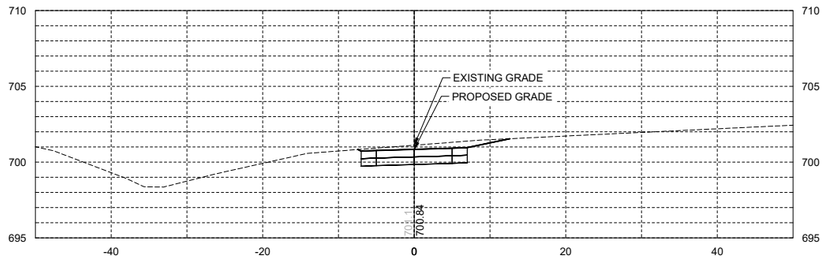


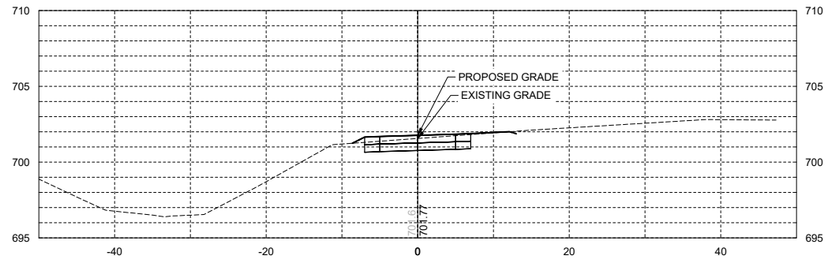
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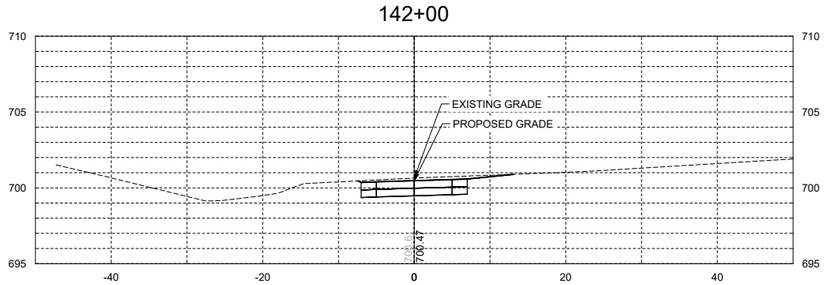


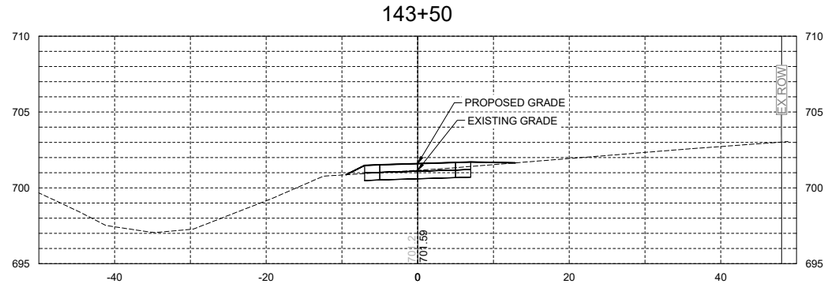








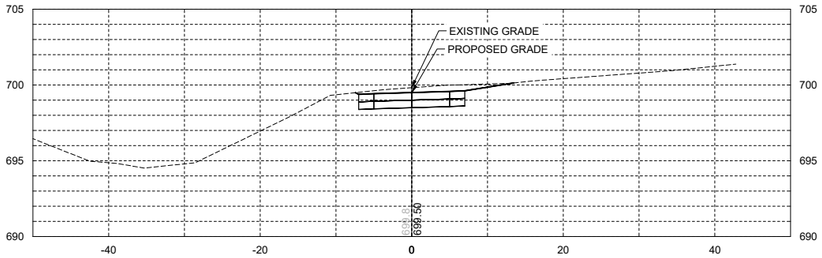




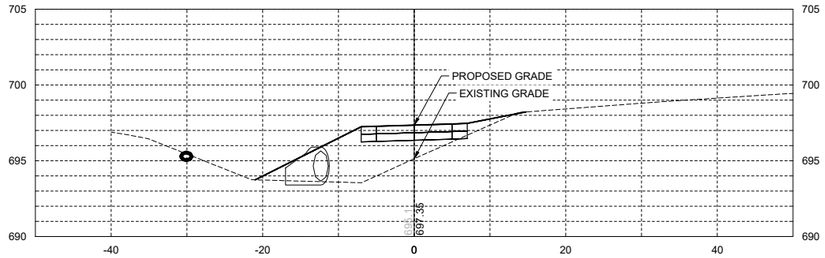
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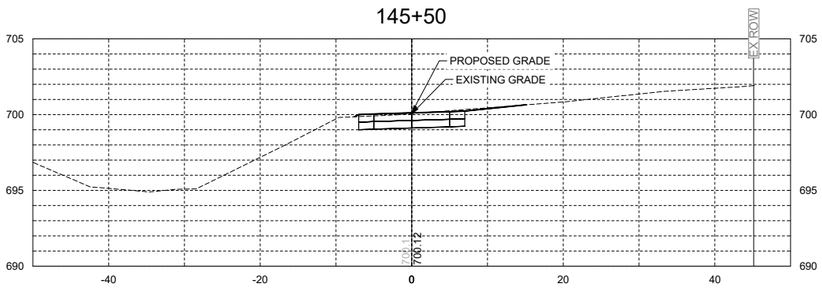
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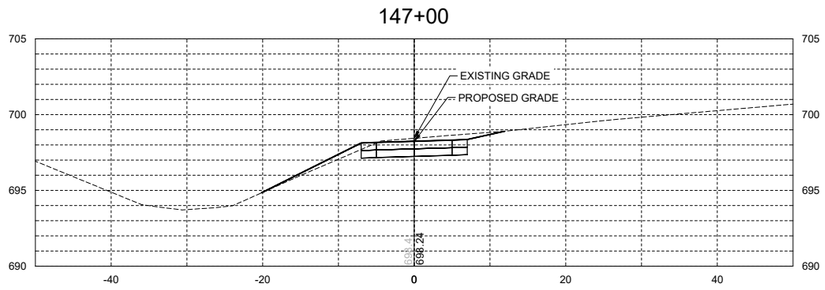
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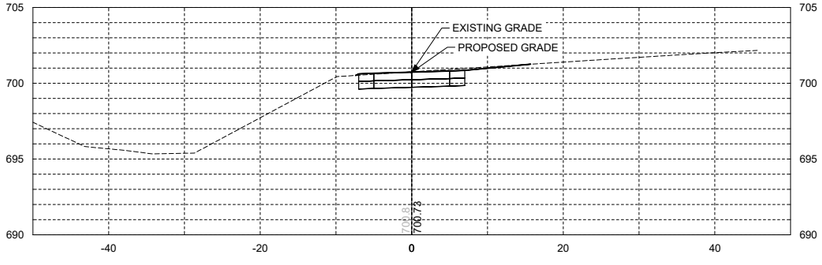
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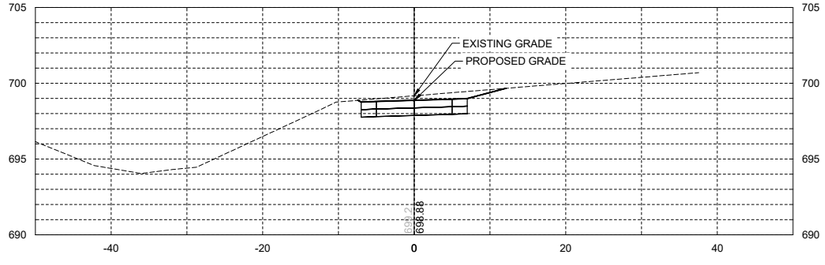
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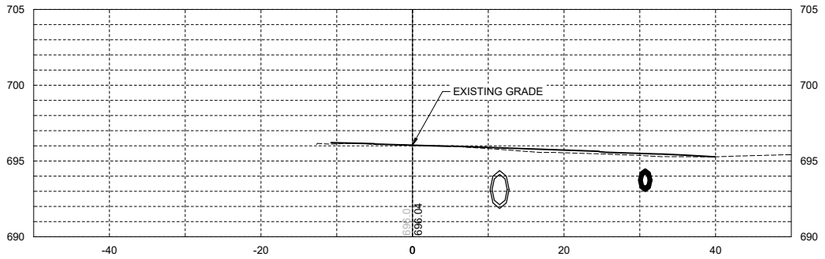


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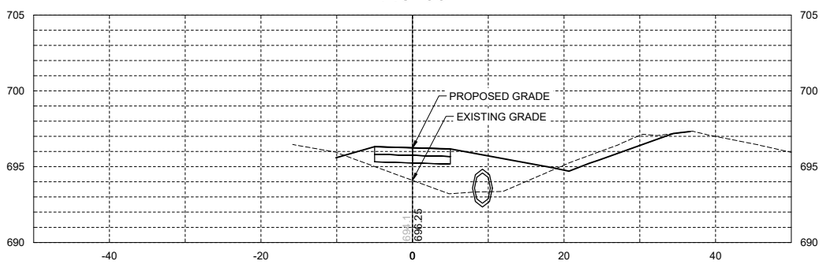


S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	JOHNSON	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - HIGHWAY 6	SHEET NUMBER W.16

148+26



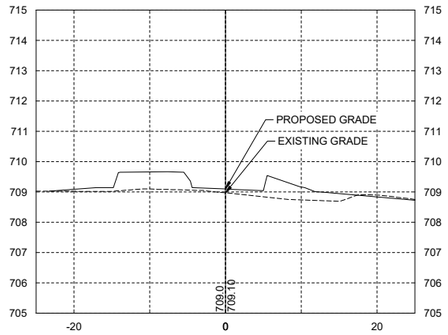
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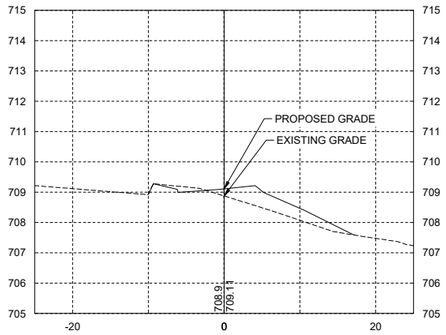
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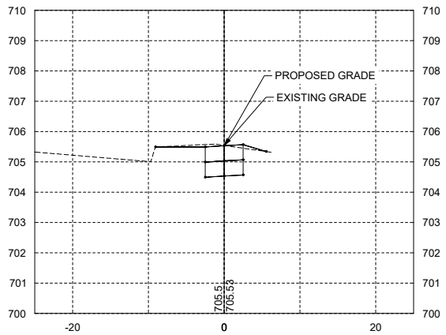
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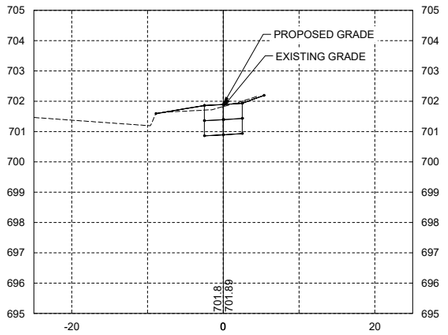
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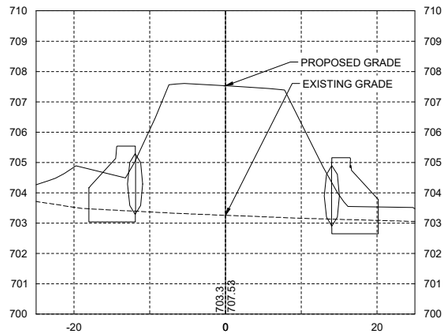
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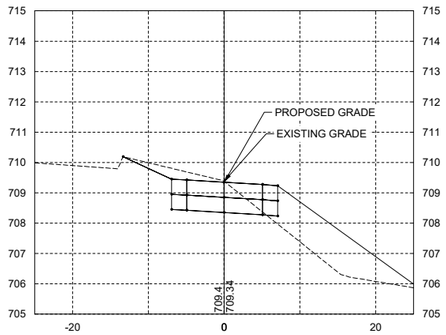
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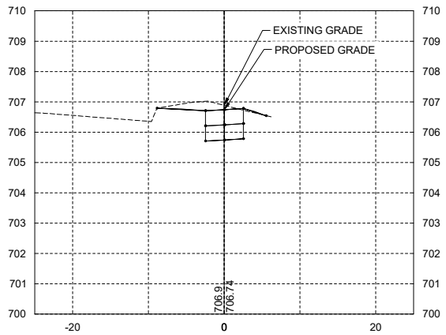
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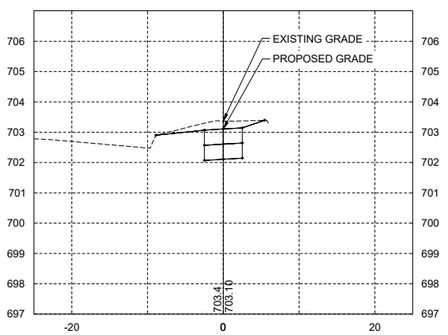
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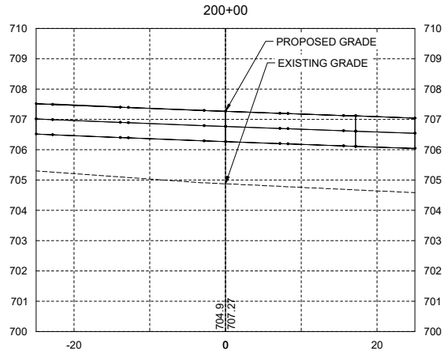
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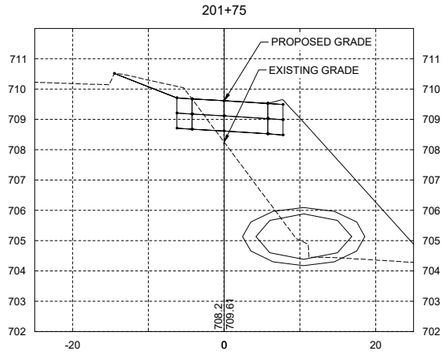
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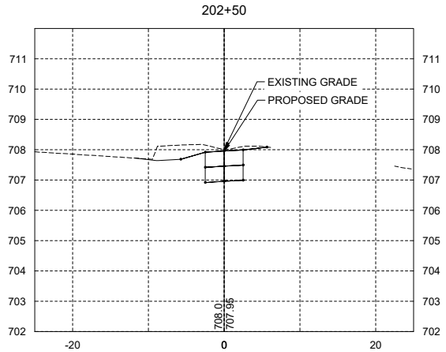
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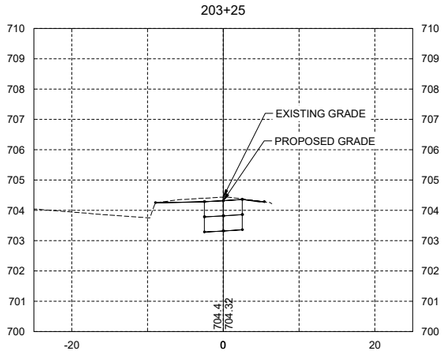
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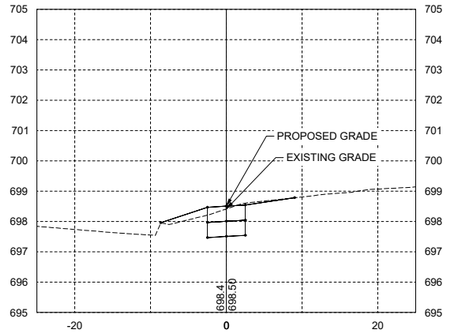
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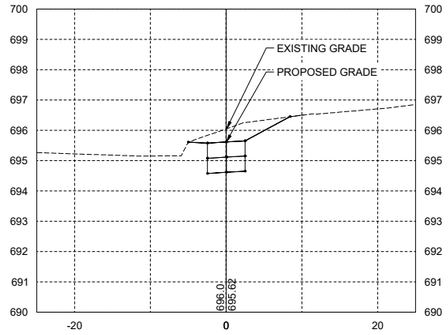
S-H PROJECT NO. 2250000750	SHIVE-HATTERY	HIGHWAY 6 TRAIL - BROADWAY TO FAIRMEADOW	CITY OF IOWA CITY	PROJECT NUMBER:TAP-U-3715(674)--8I-52	CROSS SECTIONS - S 1ST AVENUE	SHEET NUMBER X.01

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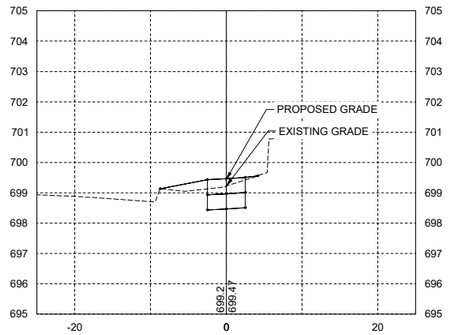
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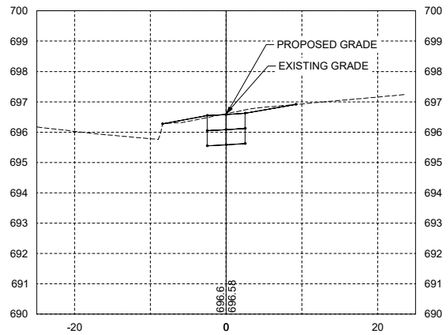
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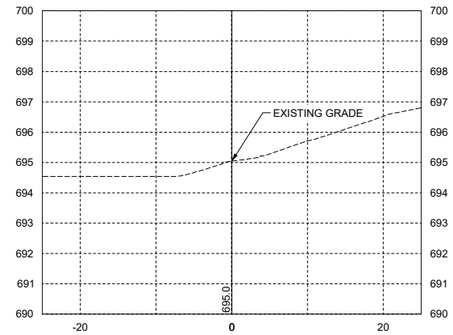
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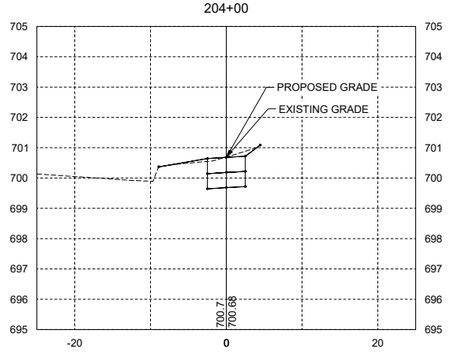
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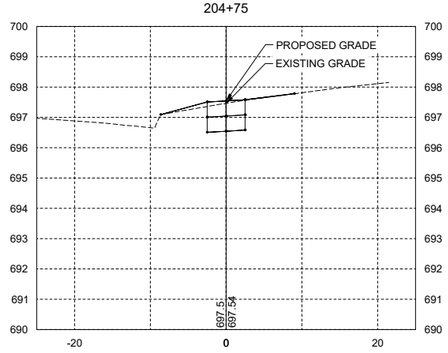
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204+00



204+75



205+50

