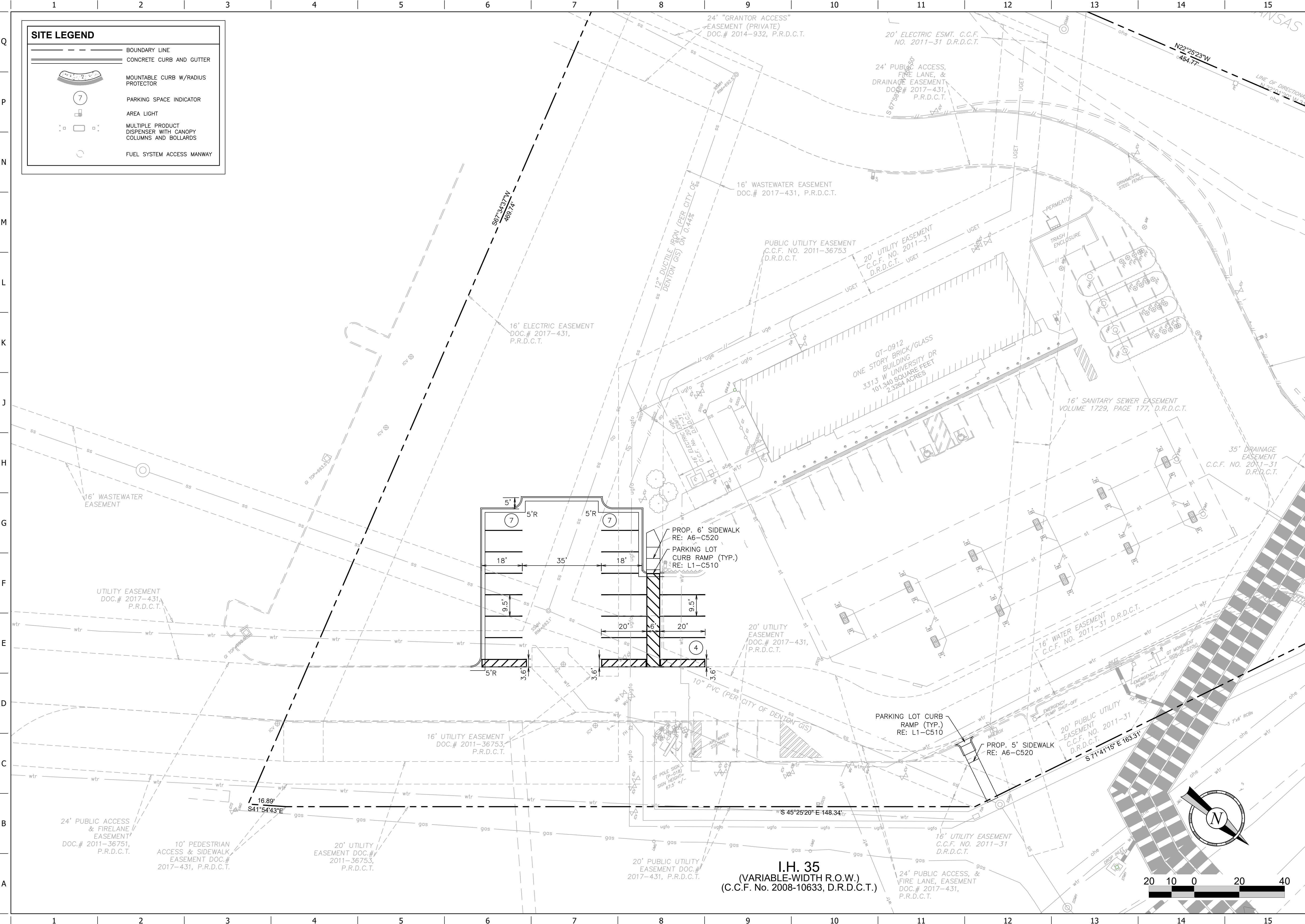


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SITE LEGEND

- BOUNDARY LINE
- CONCRETE CURB AND GUTTER
- MOUNTABLE CURB W/RADIUS PROTECTOR
- PARKING SPACE INDICATOR
- AREA LIGHT
- MULTIPLE PRODUCT DISPENSER WITH CANOPY COLUMNS AND BOLLARDS
- FUEL SYSTEM ACCESS MANWAY



9/11/2024
 STATE OF TEXAS
 JONATHAN E. SCHINDLER
 108804
 ENGINEER
 PROJECT NO.: QT22006_0912

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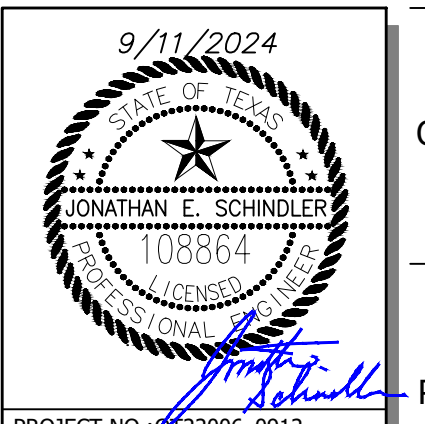
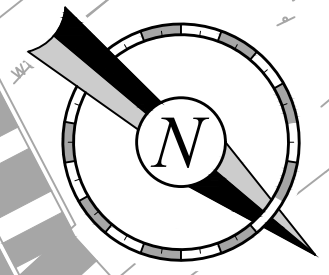
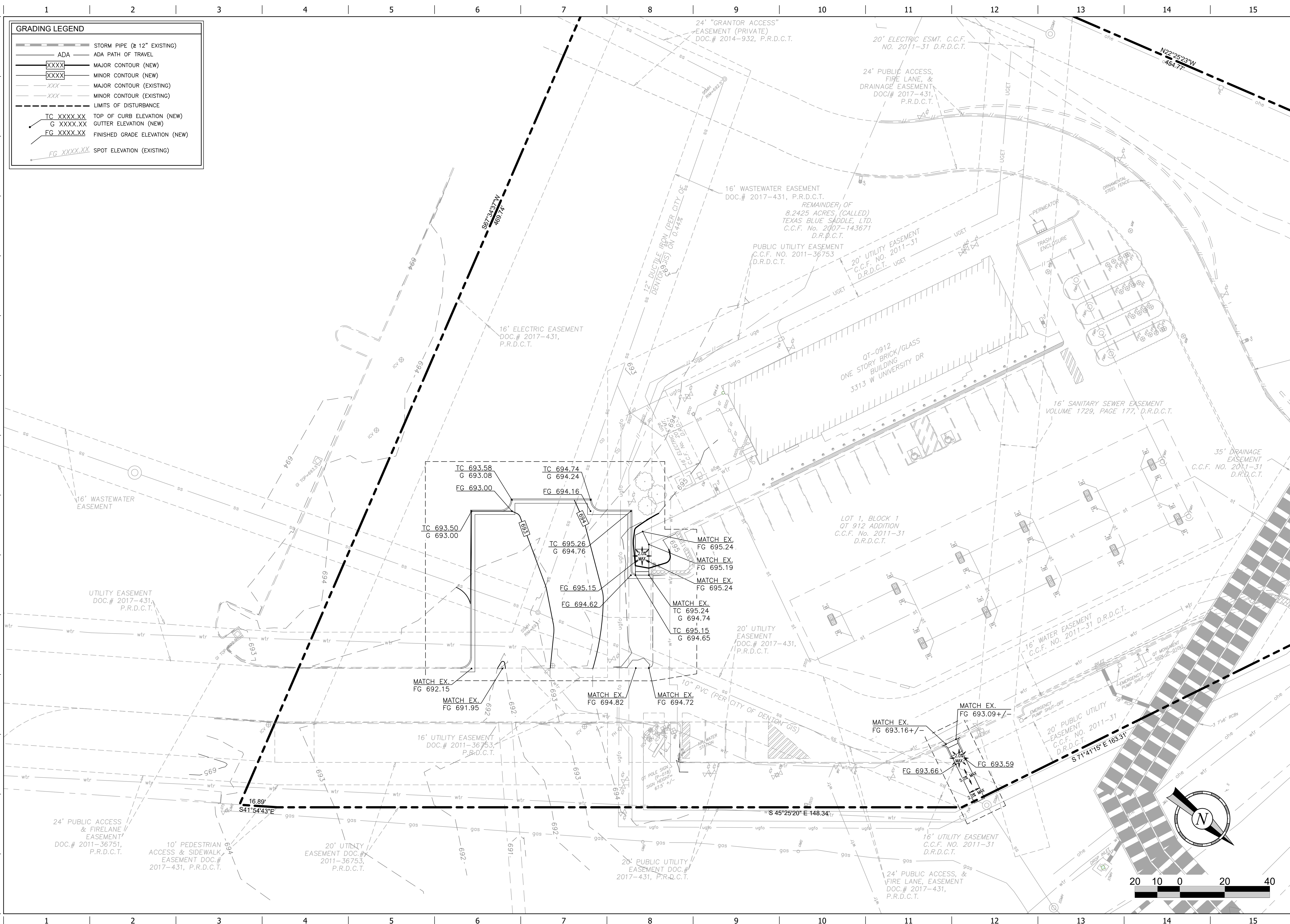
SHEET TITLE:
 SITE PLAN

SHEET NUMBER:
C100

ORIGINAL ISSUE DATE:

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GRADING LEGEND	
	STORM PIPE (≥ 12" EXISTING)
	ADA ADA PATH OF TRAVEL
	MAJOR CONTOUR (NEW)
	MINOR CONTOUR (NEW)
	MAJOR CONTOUR (EXISTING)
	MINOR CONTOUR (EXISTING)
	LIMITS OF DISTURBANCE
	TC XXXX.XX TOP OF CURB ELEVATION (NEW)
	G XXXX.XX GUTTER ELEVATION (NEW)
	FG XXXX.XX FINISHED GRADE ELEVATION (NEW)
	SPOT ELEVATION (EXISTING)



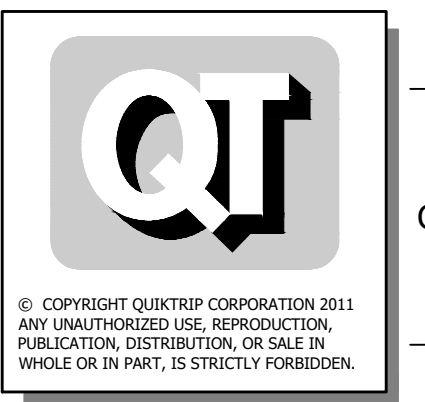
PROJECT No. 0222006_0912

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SHEET TITLE:
GRADING PLAN

SHEET NUMBER:
C110

ORIGINAL ISSUE DATE:

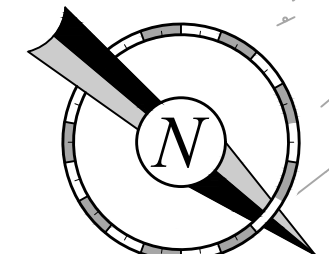
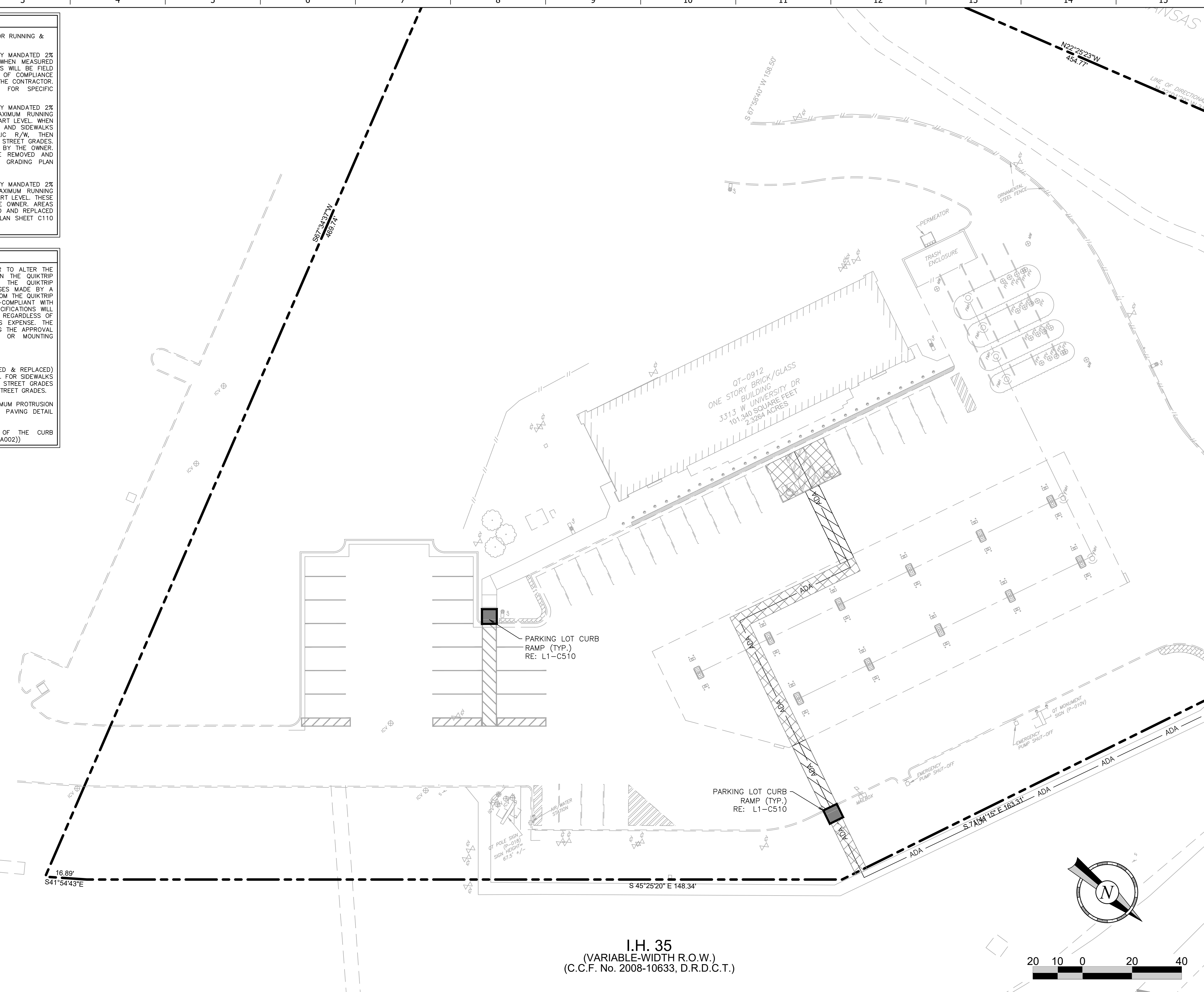
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ADA GRADING LEGEND

- ADA — ADA PATH OF TRAVEL (RE: HATCHING FOR RUNNING & CROSS SLOPE REQUIREMENT)
- HATCH INDICATES AREAS OF FEDERALLY MANDATED 2% MAXIMUM CROSS SLOPE IN ALL DIRECTIONS WHEN MEASURED WITH A 2' SMART LEVEL. THESE AREAS WILL BE FIELD VERIFIED BY THE OWNER. AREAS OUT OF COMPLIANCE WILL BE REMOVED AND REPLACED BY THE CONTRACTOR. (RE: GRADING PLAN SHEETS C110 FOR SPECIFIC GRADES)
- HATCH INDICATES AREAS OF FEDERALLY MANDATED 2% MAXIMUM CROSS SLOPE AND 5% MAXIMUM RUNNING SLOPE WHEN MEASURED WITH A 2' SMART LEVEL. WHEN ADJACENT STREET GRADES EXCEED 5% AND SIDEWALKS ARE CONTAINED WITHIN THE PUBLIC R/W, THEN SIDEWALK RUNNING SLOPE CAN MATCH STREET GRADES. THESE AREAS WILL BE FIELD VERIFIED BY THE OWNER. AREAS OUT OF COMPLIANCE WILL BE REMOVED AND REPLACED BY THE CONTRACTOR. (RE: GRADING PLAN SHEET C110 FOR SPECIFIC GRADES)
- HATCH INDICATES AREAS OF FEDERALLY MANDATED 2% MAXIMUM CROSS SLOPE AND 1:12 MAXIMUM RUNNING SLOPE WHEN MEASURED WITH A 2' SMART LEVEL. THESE AREAS WILL BE FIELD VERIFIED BY THE OWNER. AREAS OUT OF COMPLIANCE WILL BE REMOVED AND REPLACED BY THE CONTRACTOR. (RE: GRADING PLAN SHEET C110 FOR SPECIFIC GRADES)

ADA GENERAL NOTES

- ANY REQUEST BY A GOVERNING AUTHORITY OR INSPECTOR TO ALTER THE ADA COMPLIANCE DETAILS OR REQUIREMENTS DEPICTED IN THE QUIKTRIP PLANS AND SPECIFICATIONS MUST BE DIRECTED TO THE QUIKTRIP CONSTRUCTION MANAGER FOR AUTHORIZATION. ANY CHANGES MADE BY A PRIMARY OR SUB-CONTRACTOR WITHOUT AUTHORIZATION FROM THE QUIKTRIP CONSTRUCTION MANAGER AND LATER FOUND TO BE NON-COMPLIANT WITH THE DETAILS AS SHOWN IN THE QUIKTRIP PLANS AND SPECIFICATIONS WILL BE REMOVED AND REPLACED AND MADE FULLY COMPLIANT REGARDLESS OF MAGNITUDE AT THE PRIMARY AND/OR SUB-CONTRACTOR'S EXPENSE. THE PRIMARY SHALL FOLLOW THE RFI PROCESS IN ESTABLISHING THE APPROVAL OR DENIAL OF CHANGES TO ADA RELATED DETAILS OR MOUNTING DIMENSIONS.
- RE: GRADING PLAN SHEETS C110 FOR FINAL GRADES.
- ALL NEW SIDEWALKS (INCLUDING SIDEWALKS TO BE REMOVED & REPLACED) SHALL NOT EXCEED 2% CROSS SLOPE & 5% RUNNING SLOPE. FOR SIDEWALKS CONTAINED WITHIN THE PUBLIC R/W AND WHEN ADJACENT STREET GRADES EXCEED 5%, THEN SIDEWALK RUNNING SLOPES MAY MATCH STREET GRADES.
- 1/8" MAXIMUM DEPTH TO TOP OF SEALANT AND 1/8" MAXIMUM PROTRUSION TO TOP OF SEALANT ALONG ADA ACCESS ROUTES. (RE: PAVING DETAIL L11-C523 (PD042A003))
- PRIVATE PROPERTY RAMPS SHALL HAVE THE FACE OF THE CURB TRANSITIONS PAINTED YELLOW (RE: DETAIL F11-C510 (AD015A002))



I.H. 35
(VARIABLE-WIDTH R.O.W.)
(C.C.F. No. 2008-10633, D.R.D.C.T.)

9/11/2024
STATE OF TEXAS
108804
Kirkman Engineering
PROJECT No.: QT22006_0912

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SHEET TITLE:
ADA COMPLIANCE PLAN

SHEET NUMBER:
C114

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EXISTING DRAINAGE AREA CALCULATIONS (RATIONAL METHOD)											Comments
Area No.	Acres	Runoff Coeff.	CA	T _c (min.)	I ₁ (in./hr.)	Q ₁ (c.f.s.)	I ₅ (in./hr.)	Q ₅ (c.f.s.)	I ₁₀₀ (in./hr.)	Q ₁₀₀ (c.f.s.)	
X-1	0.42	0.35	0.15	13.99	4.03	0.59	5.62	0.83	9.57	1.41	DRAINS TO CONCRETE FLUME

EXISTING DRAINAGE AREA LEGEND

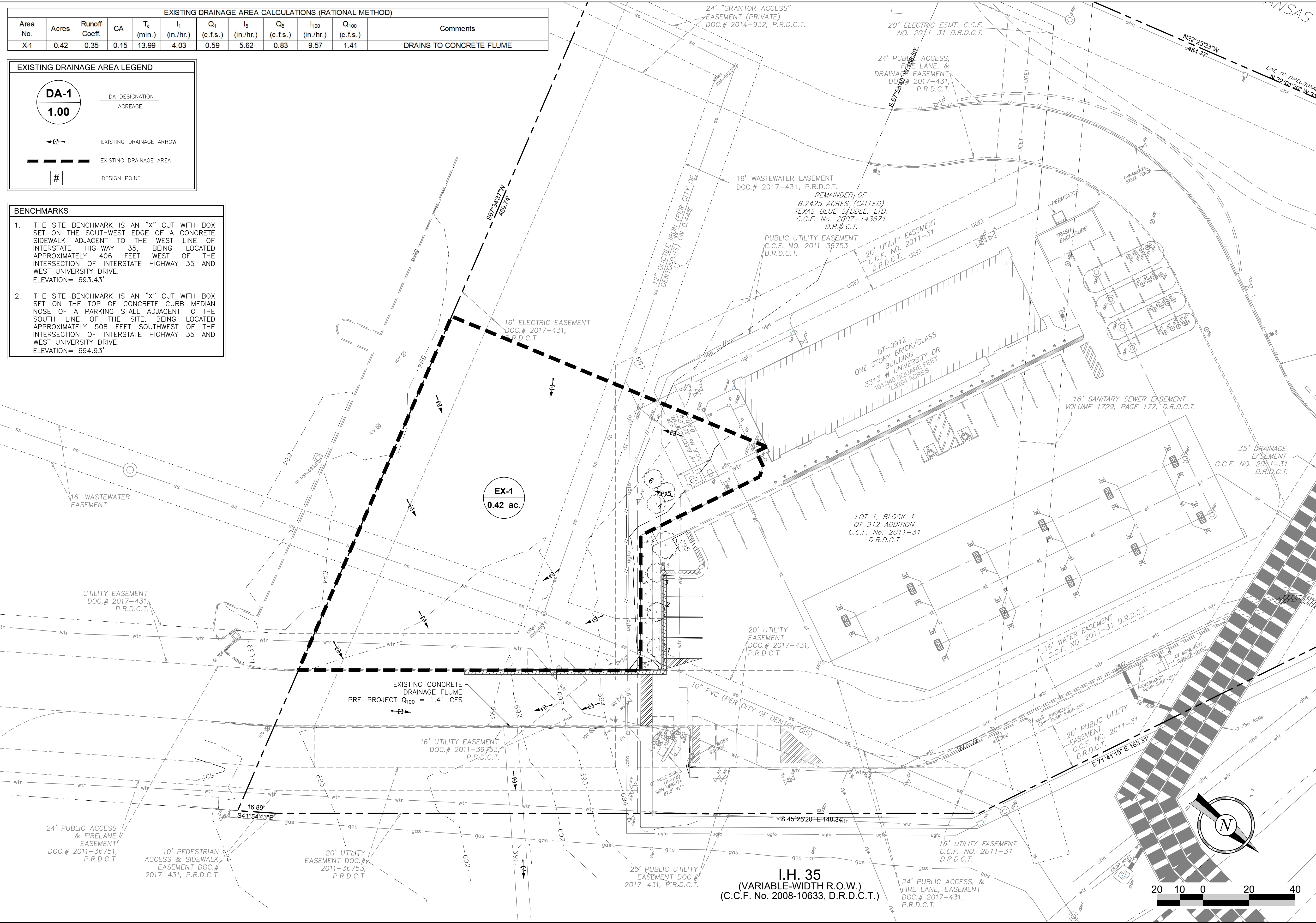
DA-1
1.00
DA DESIGNATION
ACREAGE

←→ EXISTING DRAINAGE ARROW

--- EXISTING DRAINAGE AREA

DESIGN POINT

- BENCHMARKS**
1. THE SITE BENCHMARK IS AN "X" CUT WITH BOX SET ON THE SOUTHWEST EDGE OF A CONCRETE SIDEWALK ADJACENT TO THE WEST LINE OF INTERSTATE HIGHWAY 35, BEING LOCATED APPROXIMATELY 406 FEET WEST OF THE INTERSECTION OF INTERSTATE HIGHWAY 35 AND WEST UNIVERSITY DRIVE. ELEVATION = 693.43'
 2. THE SITE BENCHMARK IS AN "X" CUT WITH BOX SET ON THE TOP OF CONCRETE CURB MEDIAN NOSE OF A PARKING STALL ADJACENT TO THE SOUTH LINE OF THE SITE, BEING LOCATED APPROXIMATELY 508 FEET SOUTHWEST OF THE INTERSECTION OF INTERSTATE HIGHWAY 35 AND WEST UNIVERSITY DRIVE. ELEVATION = 694.93'



9/11/2024
STATE OF TEXAS
108804
PROJECT NO. 0222006_0912

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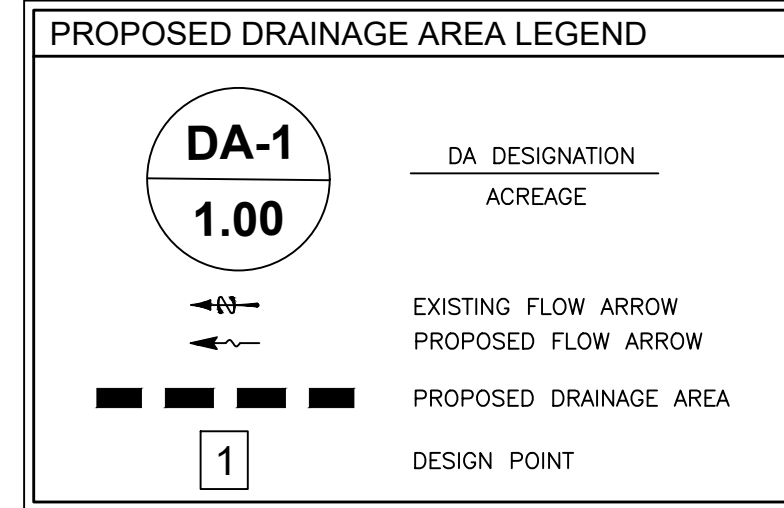
PROTOTYPE: P-111 (08/01/22)
DIVISION:
VERSION: 001
DESIGNED BY: BDH
DRAWN BY: BDH
REVIEWED BY: JES

REV.	DATE	DESCRIPTION	ORIGINAL ISSUE DATE:

SHEET TITLE:
PRE-DEVELOPED DRAINAGE
MAP

SHEET NUMBER:
C121

DRAINAGE AREA CALCULATIONS (PROPOSED) (RATIONAL METHOD)											
Area No.	Acres	Runoff Coeff.	CA	T _c (min.)	I ₁ (in./hr.)	Q ₁ (c.f.s.)	I ₅ (in./hr.)	Q ₅ (c.f.s.)	I ₁₀₀ (in./hr.)	Q ₁₀₀ (c.f.s.)	Comments
A-1	0.42	0.44	0.18	10.00	4.03	0.74	5.62	1.04	9.57	1.77	DRAINS TO EX CONCRETE FLUME

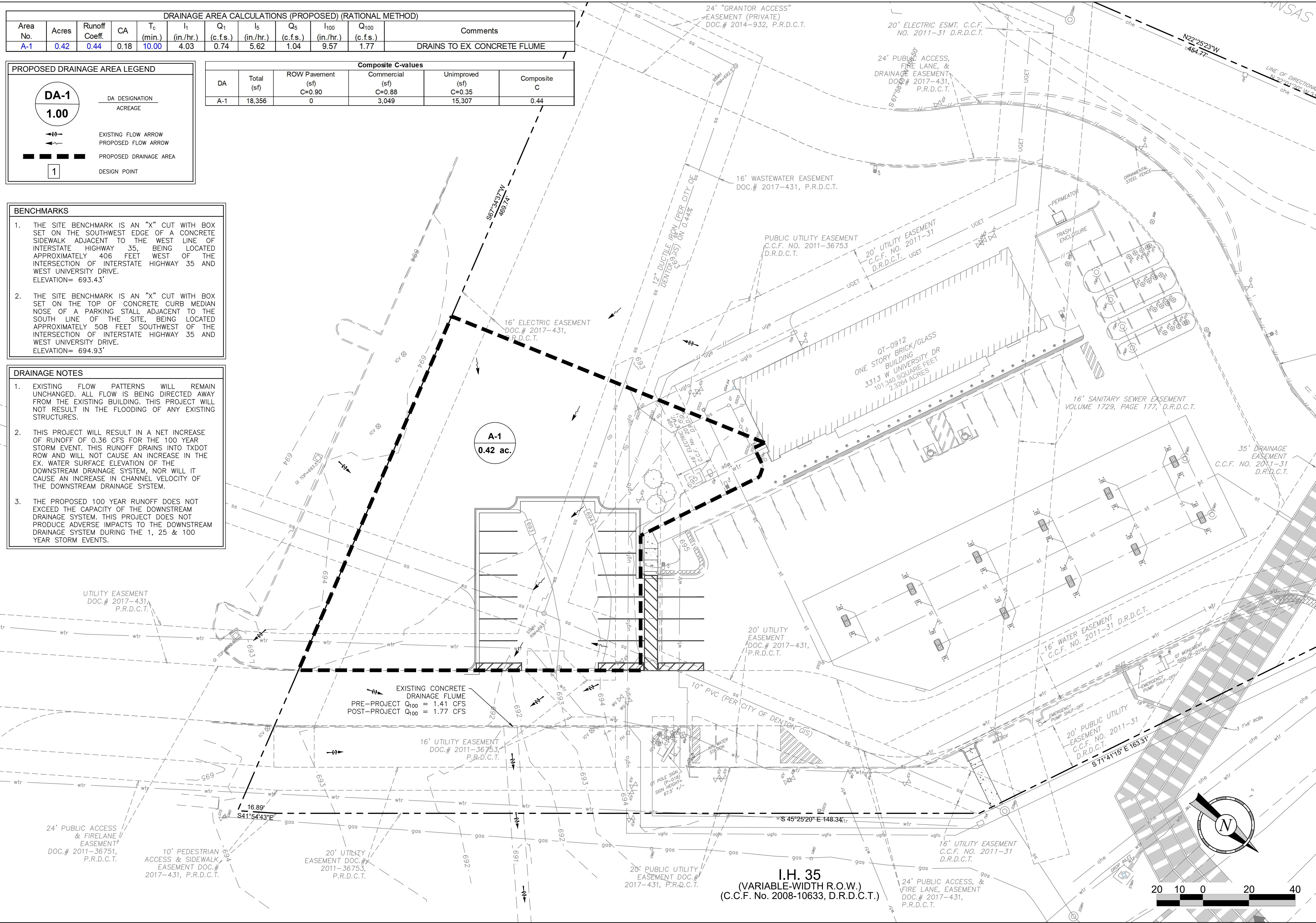


Composite C-values					
DA	Total (sf)	ROW Pavement (sf) C=0.90	Commercial (sf) C=0.88	Unimproved (sf) C=0.35	Composite C
A-1	18,356	0	3,049	15,307	0.44

- BENCHMARKS**
1. THE SITE BENCHMARK IS AN "X" CUT WITH BOX SET ON THE SOUTHWEST EDGE OF A CONCRETE SIDEWALK ADJACENT TO THE WEST LINE OF INTERSTATE HIGHWAY 35, BEING LOCATED APPROXIMATELY 406 FEET WEST OF THE INTERSECTION OF INTERSTATE HIGHWAY 35 AND WEST UNIVERSITY DRIVE. ELEVATION= 693.43'
 2. THE SITE BENCHMARK IS AN "X" CUT WITH BOX SET ON THE TOP OF CONCRETE CURB MEDIAN NOSE OF A PARKING STALL ADJACENT TO THE SOUTH LINE OF THE SITE, BEING LOCATED APPROXIMATELY 508 FEET SOUTHWEST OF THE INTERSECTION OF INTERSTATE HIGHWAY 35 AND WEST UNIVERSITY DRIVE. ELEVATION= 694.93'

- DRAINAGE NOTES**
1. EXISTING FLOW PATTERNS WILL REMAIN UNCHANGED. ALL FLOW IS BEING DIRECTED AWAY FROM THE EXISTING BUILDING. THIS PROJECT WILL NOT RESULT IN THE FLOODING OF ANY EXISTING STRUCTURES.
 2. THIS PROJECT WILL RESULT IN A NET INCREASE OF RUNOFF OF 0.36 CFS FOR THE 100 YEAR STORM EVENT. THIS RUNOFF DRAINS INTO TXDOT ROW AND WILL NOT CAUSE AN INCREASE IN THE EX. WATER SURFACE ELEVATION OF THE DOWNSTREAM DRAINAGE SYSTEM, NOR WILL IT CAUSE AN INCREASE IN CHANNEL VELOCITY OF THE DOWNSTREAM DRAINAGE SYSTEM.
 3. THE PROPOSED 100 YEAR RUNOFF DOES NOT EXCEED THE CAPACITY OF THE DOWNSTREAM DRAINAGE SYSTEM. THIS PROJECT DOES NOT PRODUCE ADVERSE IMPACTS TO THE DOWNSTREAM DRAINAGE SYSTEM DURING THE 1, 25 & 100 YEAR STORM EVENTS.

FILE LOCATION: K:\Jobs\0722006_0912\Drawings\CIVILS\08-0912_Civil (P=111).dwg TAB NAME: Post Dev Map USER: Roblock SAVED: 9/11/2024 3:27 PM PLOTTED: 9/11/2024 3:28 PM



9/11/2024

PROJECT NO.: 0722006_0912

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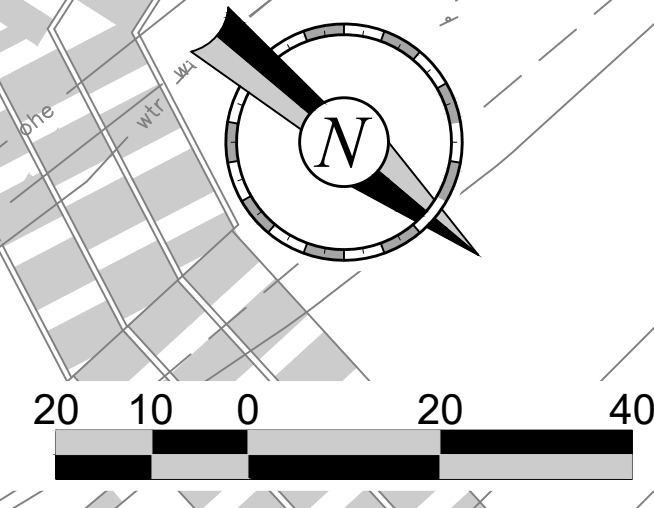
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DIVISION:
VERSION: 001
DESIGNED BY: BDH
DRAWN BY: BDH
REVIEWED BY: JES

REV.	DATE	DESCRIPTION

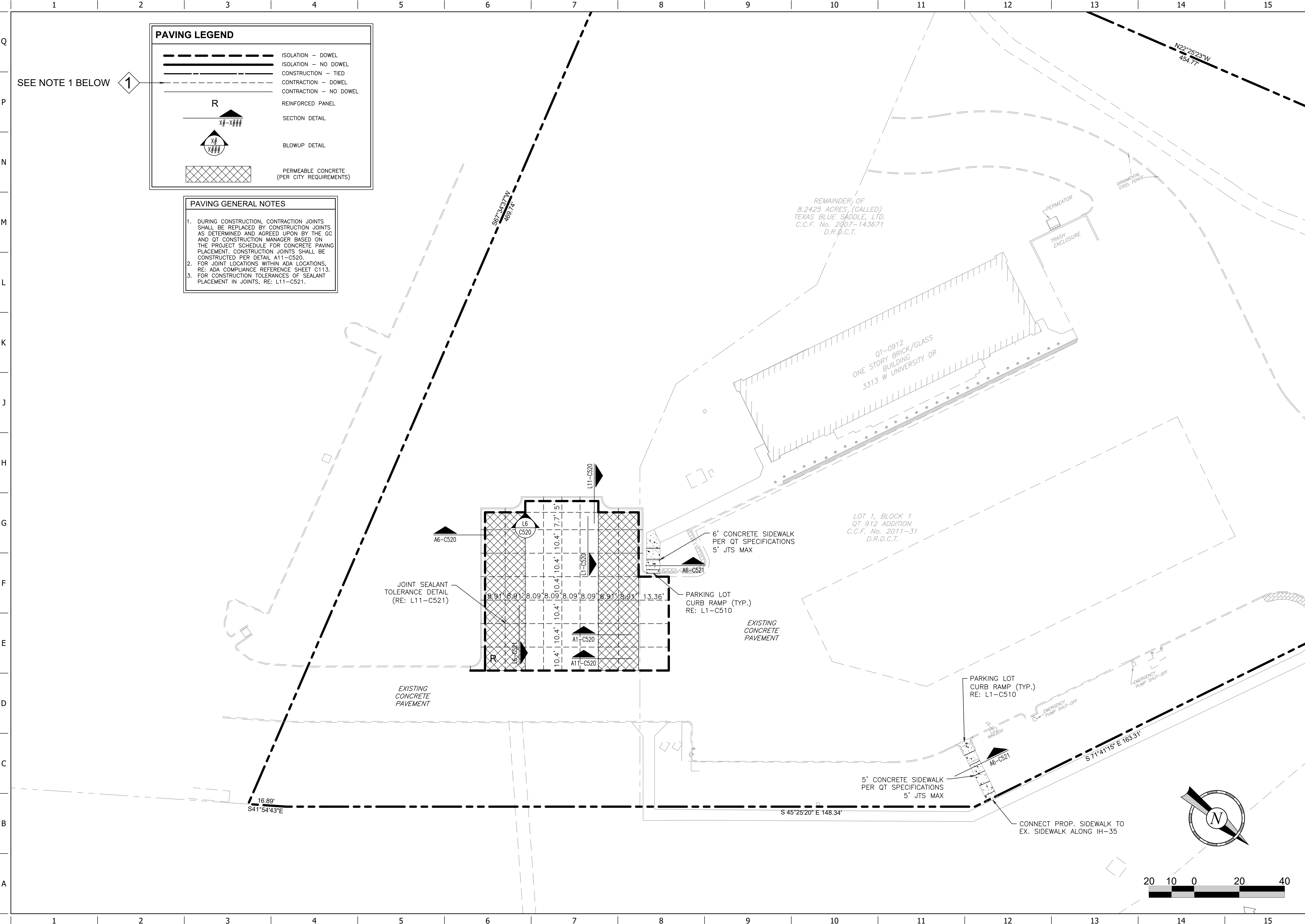
ORIGINAL ISSUE DATE:

SHEET TITLE:
POST-DEVELOPED
DRAINAGE PLAN

SHEET NUMBER:
C122



FILE LOCATION: K:\Jobs\QT22006_0912\Drawings\CIVILS\08-0912_Civil (P=111).dwg TAB NAME:Paving (Concrete) USER:rdblock SAVED:9/11/2024 3:27 PM PLOTTED:9/11/2024 3:28 PM



PAVING LEGEND

- ISOLATION - DOWEL
- ISOLATION - NO DOWEL
- CONSTRUCTION - TIED
- CONSTRUCTION - DOWEL
- CONSTRUCTION - NO DOWEL
- REINFORCED PANEL
- SECTION DETAIL
- BLOWUP DETAIL
- PERMEABLE CONCRETE (PER CITY REQUIREMENTS)

PAVING GENERAL NOTES

- DURING CONSTRUCTION, CONTRACTION JOINTS SHALL BE REPLACED BY CONSTRUCTION JOINTS AS DETERMINED AND AGREED UPON BY THE GC AND QT CONSTRUCTION MANAGER BASED ON THE PROJECT SCHEDULE FOR CONCRETE PAVING PLACEMENT. CONSTRUCTION JOINTS SHALL BE CONSTRUCTED PER DETAIL A11-C520.
- FOR JOINT LOCATIONS WITHIN ADA LOCATIONS, RE: ADA COMPLIANCE REFERENCE SHEET C113.
- FOR CONSTRUCTION TOLERANCES OF SEALANT PLACEMENT IN JOINTS, RE: L11-C521.

SEE NOTE 1 BELOW **1**

9/11/2024
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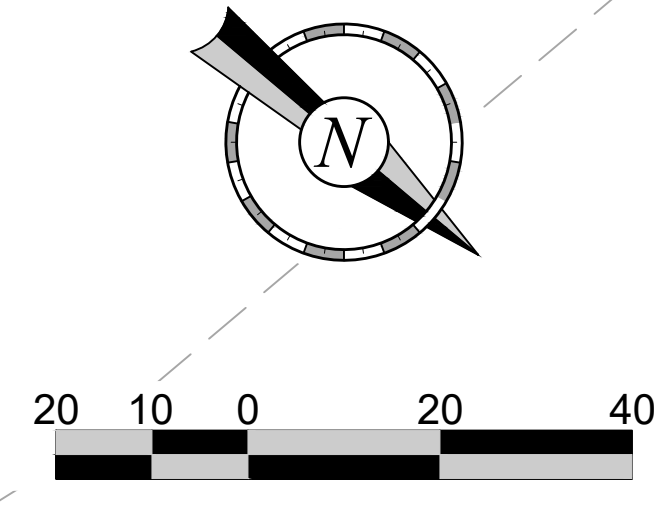
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DIVISION:	
VERSION:	001
DESIGNED BY:	BDH
DRAWN BY:	BDH
REVIEWED BY:	JES

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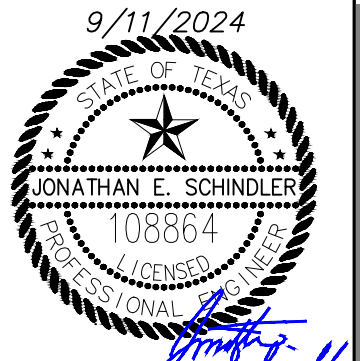

ORIGINAL ISSUE DATE:

SHEET TITLE:
CONCRETE PAVING PLAN

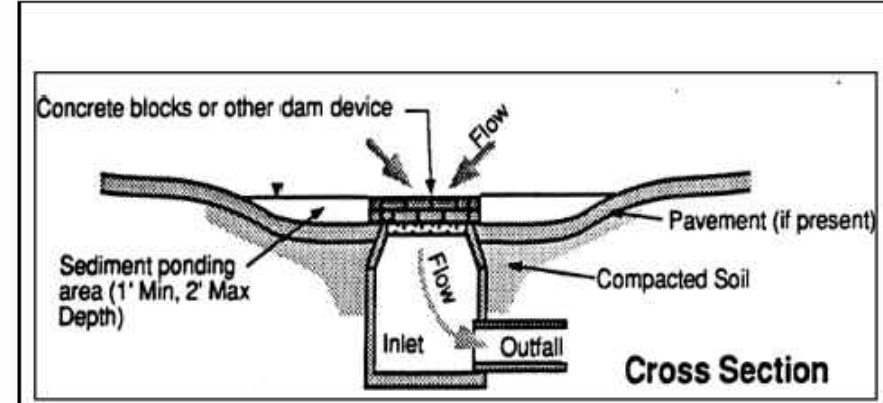
SHEET NUMBER:
C130



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9/11/2024

 PROJECT NO.: 0722006_0912

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3.4 Inlet Protection



Description: Inlet protection consists of a variety of methods to intercept sediment at low point inlets through the use of depressed grading, filter stone, filter fabric, inlet inserts, organic filter tubes and other materials. The protection devices are placed around or across the inlet openings to provide localized detention or filtration of sediment and floatable materials in stormwater. Protection devices may be assembled onsite or purchased as manufactured assemblies.

- KEY CONSIDERATIONS**
- DESIGN CRITERIA:**
- Evaluate drainage patterns to ensure inlet protection will not cause flooding of roadway, property or structures
 - Never block entire inlet opening
 - Size according to drainage area and flow rates
 - Include flow bypass for clogged controls and large storm events
- ADVANTAGES / BENEFITS:**
- May be the only feasible sediment control when all construction is located within rights-of-way
- DISADVANTAGES / LIMITATIONS:**
- Limited effectiveness and reliability
 - High maintenance requirements
 - Has potential to flood roadways or adjacent properties
- MAINTENANCE REQUIREMENTS:**
- Inspect regularly
 - Check for and remove blockage of inlet after every storm event
 - Remove sediment before it reaches half the design height or volume of the inlet protection, more frequently for curb inlets
 - Repair or replace damaged materials
 - Clean or replace filter stone and organic filter tubes is when clogged with sediment

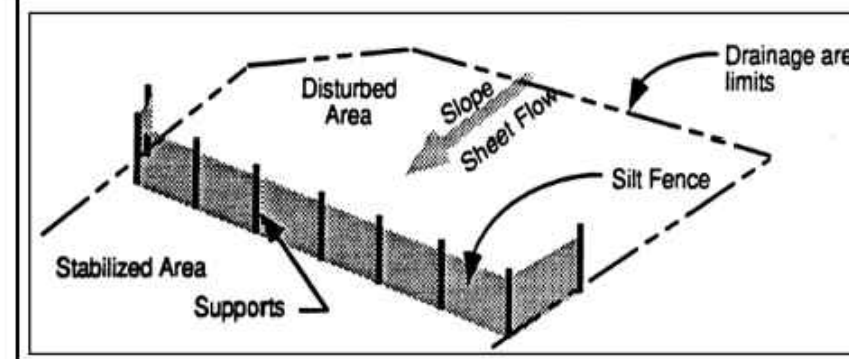
- APPLICATIONS**
- Perimeter Control
 - Slope Protection
 - Sediment Barrier
 - Channel Protection
 - Temporary Stabilization
 - Final Stabilization
 - Waste Management
 - Housekeeping Practices
- Fe=0.35-0.65**
(Depends on soil type)

- IMPLEMENTATION CONSIDERATIONS**
- Capital Costs
 - Maintenance
 - Training
 - Suitability for Slopes > 5%
- Other Considerations:**
- Traffic hazards
 - Passage of larger storm events without causing flooding
 - Flow diversion to other inlets or drainage points

- TARGETED POLLUTANTS**
- Sediment
 - Nutrients & Toxic Materials
 - Oil & Grease
 - Floatable Materials
 - Other Construction Wastes

Inlet Protection
April 2010, Revised 9/2014 CC-81

3.10 Silt Fence



Description: A silt fence consists of geotextile fabric supported by wire mesh netting or other backing stretched between metal posts with the lower edge of the fabric securely embedded six-inches in the soil. The fence is typically located downstream of disturbed areas to intercept runoff in the form of sheet flow. A silt fence provides both filtration and time for sediment settling by reducing the velocity of the runoff.

- KEY CONSIDERATIONS**
- DESIGN CRITERIA:**
- Maximum drainage area of 0.25 acre per 100 linear feet of silt fence
 - Maximum 200 feet distance of flow to silt fence; 50 feet if slope exceeds 10 percent
 - Minimum fabric overlap of 3 feet at abutting ends; join fabric to prevent leakage
 - Turn end of silt fence line upslope a minimum of 10 feet
 - Install stone overflow structure at low points or spaced at approximately 300 feet if no apparent low point
- ADVANTAGES / BENEFITS:**
- Economical means to treat sheet flow
 - Most effective with coarse to silty soil types
- DISADVANTAGES / LIMITATIONS:**
- Limited effectiveness with clay soils due to clogging
 - Localized flooding due to minor ponding at the upslope side of the silt fence
 - Not for use as check dams in swales or low areas subject to concentrated flow
 - Not for use where soil conditions prevent a minimum toe-in depth of 6 inches or installation of support posts to a depth of 12 inches
 - Can fail structurally under heavy storm flows, creating maintenance problems and reducing effectiveness
- MAINTENANCE REQUIREMENTS:**
- Inspect regularly
 - Repair undercutting, sags and other fence failures
 - Remove sediment before it reaches half the height of the fence
 - Repair or replace damaged or clogged filter fabric

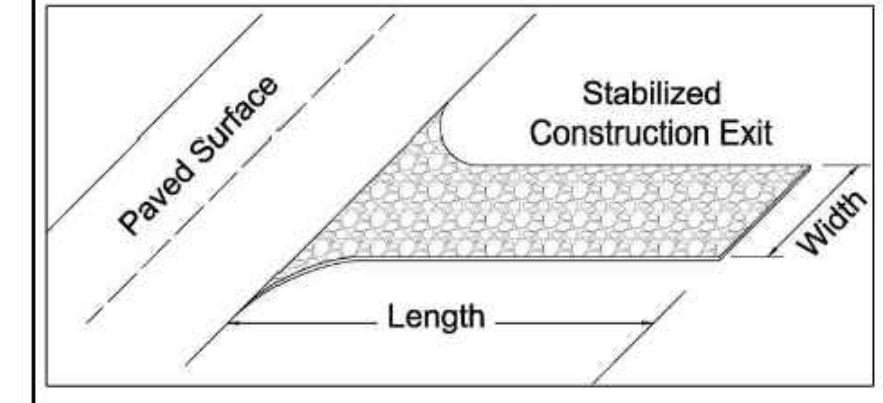
- APPLICATIONS**
- Perimeter Control
 - Slope Protection
 - Sediment Barrier
 - Channel Protection
 - Temporary Stabilization
 - Final Stabilization
 - Waste Management
 - Housekeeping Practices
- Fe=0.50-0.75**
(Depends on soil type)

- IMPLEMENTATION CONSIDERATIONS**
- Capital Costs
 - Maintenance
 - Training
 - Suitability for Slopes > 5%
- Other Considerations:**
- Effects of ponding or the redirection of flow onto adjacent areas and property

- TARGETED POLLUTANTS**
- Sediment
 - Nutrients & Toxic Materials
 - Oil & Grease
 - Floatable Materials
 - Other Construction Wastes

Silt Fence
April 2010, Revised 9/2014 CC-143

3.11 Stabilized Construction Exit



Description: A stabilized construction exit is a pad of crushed stone, recycled concrete or other rock material placed on geotextile filter cloth to dislodge soil and other debris from construction equipment and vehicle tires prior to exiting the construction site. The object is to minimize the tracking of soil onto public roadways where it will be suspended by stormwater runoff.

- KEY CONSIDERATIONS**
- DESIGN CRITERIA:**
- Slope exit away from offsite paved surface
 - Minimum width and length dependent on size of disturbed area, which correlates to traffic volume
 - 6 inches minimum thickness of stone layer
 - Stone of 3 to 5 inches in size
 - Add a wheel cleaning system when inspections reveal the stabilized exit does not prevent tracking
- ADVANTAGES / BENEFITS:**
- Reduces tracking of soil onto public streets
 - Directs traffic to a controlled access point
 - Protects other sediment controls by limiting the area disturbed
- DISADVANTAGES / LIMITATIONS:**
- Effectiveness dependent on limiting ingress and egress to the stabilized exit
 - A wheel washing system may also be required to remove clay soil from tires, particularly in wet conditions
- MAINTENANCE REQUIREMENTS:**
- Inspect regularly
 - Replace rock when sediment in the void area between the rocks is visible on the surface
 - Periodically re-grade and top dress with additional stone to maintain efficiency


- APPLICATIONS**
- Perimeter Control
 - Slope Protection
 - Sediment Barrier
 - Channel Protection
 - Temporary Stabilization
 - Final Stabilization
 - Waste Management
 - Housekeeping Practices
- Fe=N/A**

- IMPLEMENTATION CONSIDERATIONS**
- Capital Costs
 - Maintenance
 - Training
 - Suitability for Slopes > 5%
- Other Considerations:**
- None

- TARGETED POLLUTANTS**
- Sediment
 - Nutrients & Toxic Materials
 - Oil & Grease
 - Floatable Materials
 - Other Construction Wastes

Stabilized Construction Exit
April 2010, Revised 9/2014 CC-148

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 DIVISION:
 VERSION: 001
 DESIGNED BY: BDH
 DRAWN BY: BDH
 REVIEWED BY: JES

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE:

SHEET TITLE:
MISC. SITE DETAILS I

SHEET NUMBER:
C500

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DIVISION 1000 EROSION & SEDIMENT CONTROL

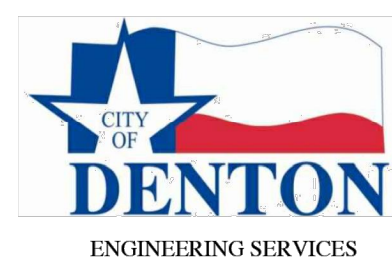
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1060A	Erosion Control Blankets	201.15, pages 201-1 to 201-11
1060B	Erosion Control Blankets	201.15, pages 201-1 to 201-11

NOTES:

- The City is adopting use of the NCTCOG Erosion and Sedimentation Standard Detail Drawings referenced in the table above. The drawings can be found in the 4th Edition of the NCTCOG specifications, October 2004.
- Modifications to the above referenced drawings may be considered for individual projects upon submittal by a registered Professional Engineer in the State of Texas and supporting documentation as to why the modification is being requested.

ENTERED BY	PROJECT #	
DESIGNED BY	DATE	REVISION
CHECKED BY		
PROJ. ENGR.		
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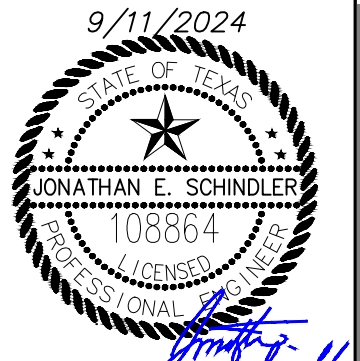
STANDARD DETAILS
EROSION & SEDIMENTATION CONTROL DETAILS

DATE
JAN. 2021

SHEET No.
20 OF 20

SCALE
HOR 1" = N.T.S.
VER 1" = N.T.S.

CERTIFICATION:
THIS CITY OF DENTON STANDARD
DETAIL SHEET IS AUTHORIZED FOR
USE IN THIS PROJECT BY THE
ENGINEER WHOSE SEAL APPEARS
HEREON, AND WHO CERTIFIES THE
CONTENT OF THE DETAILS AND NOTES
HEREIN HAVE NOT BEEN ALTERED
AND ASSUMES RESPONSIBILITY FOR
APPROPRIATE USE OF THE
STANDARDS WITHIN THIS SHEET.



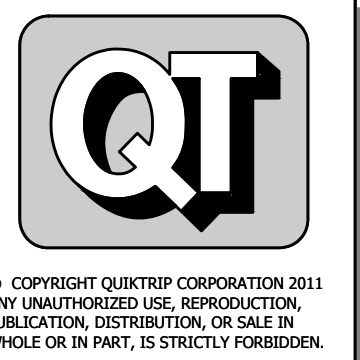
PROJECT NO.: 0122006_0912

KE
kirkman
ENGINEERING

5200 State Highway 121
Colleyville, Texas 76034
Phone: 817-488-4960
Texas Firm No: 15874

QuikTrip No. 0912

3113 W UNIVERSITY DRIVE
DENTON, TX



PROTOTYPE: P-109 (02/01/22)
DIVISION:
VERSION: 001
DESIGNED BY: BDH
DRAWN BY: BDH
REVIEWED BY: JES

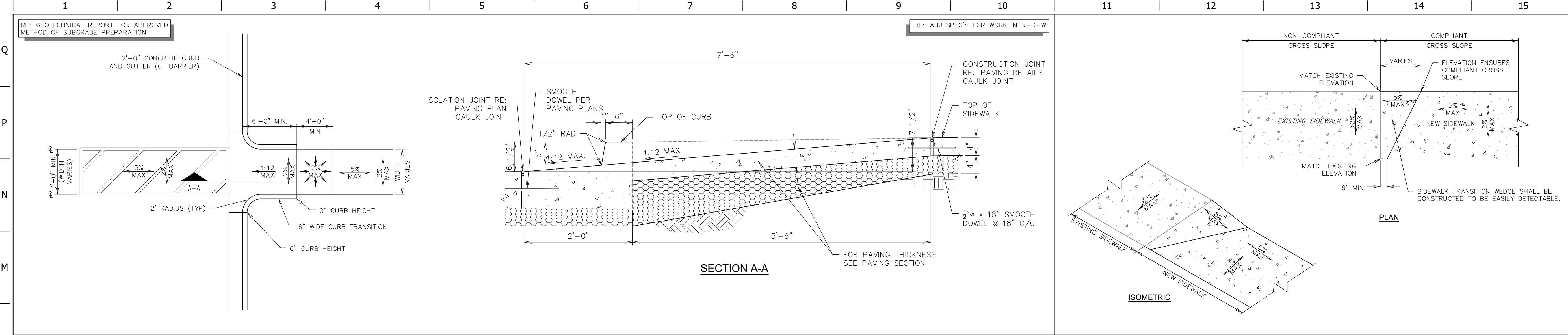
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SHEET TITLE:
MISC. SITE DETAILS II

SHEET NUMBER:
C501

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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L1	PARKING LOT CURB RAMP @ ADA CROSSING	L11	SIDEWALK TRANSITION WEDGE DETAIL
NTS	SN: AD012A007	NTS	SN: AD013A002

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NTS	SN:													
F6	NOT USED													
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NTS	SN:													

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NTS	SN:													
A6	NOT USED													
NTS	SN:													
A11	NOT USED													
NTS	SN:													

9/11/2024
 STATE OF TEXAS
 108804
 JONATHAN F. SCHINDLER
 PROFESSIONAL ENGINEER
 PROJECT NO.: 0722006-0912

5200 State Highway 121
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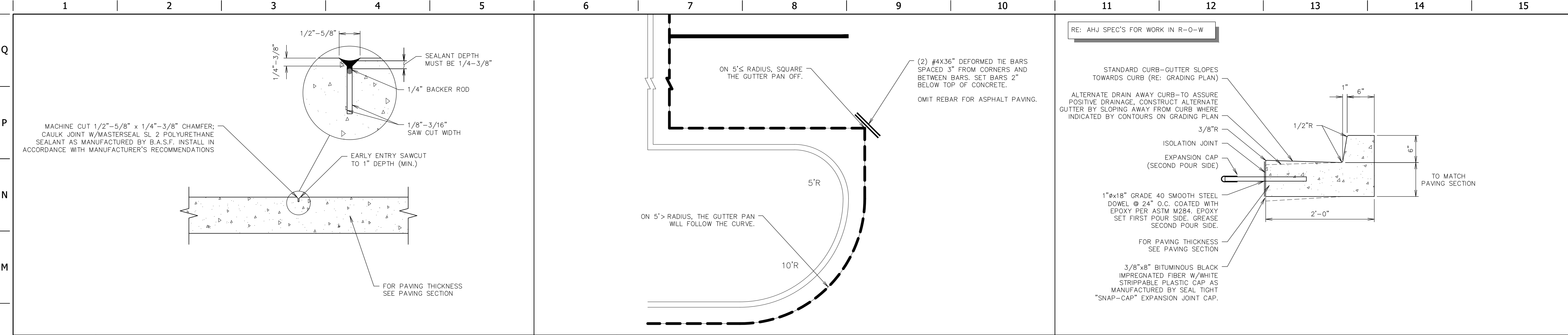
PROTOTYPE: P-111 (8/01/22)
DIVISION:
VERSION: 001
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REVIEWED BY: JES

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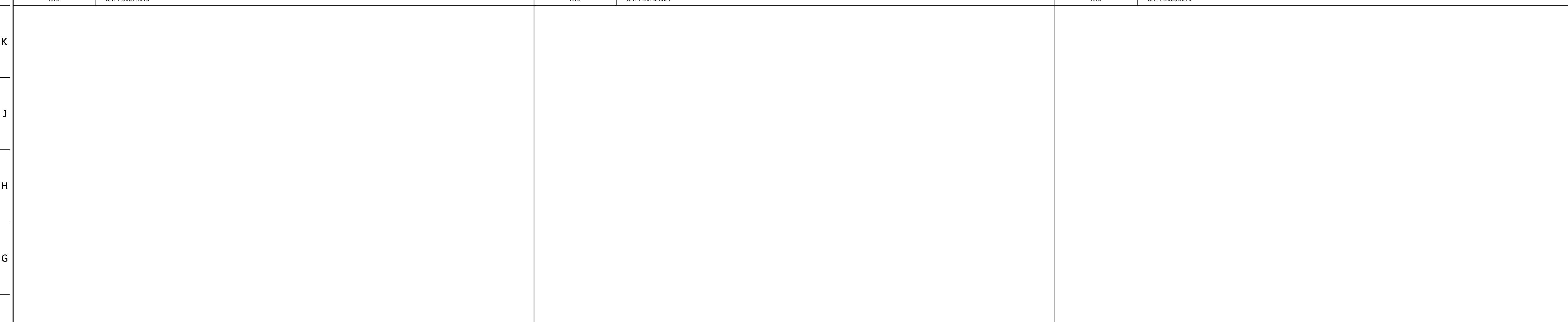
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 ADA DETAILS I

SHEET NUMBER:
C510

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L1 PAVING JOINT - CONTRACTION
L6 GUTTER PAN RADIUS DETAIL
L11 CURB DETAIL - BARRIER (PVR SITE)



F1 NOT USED
F6 NOT USED
F11 NOT USED
A1 PAVEMENT REINFORCING DETAIL (DOWELED)
A6 PAVING JOINT - ISOLATION
A11 PAVING JOINT - CONSTRUCTION

9/11/2024
 STATE OF TEXAS
 JONATHAN F. SCHINDLER
 108804
 PROFESSIONAL ENGINEER
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 DRAWN BY: BDH
 REVIEWED BY: JES

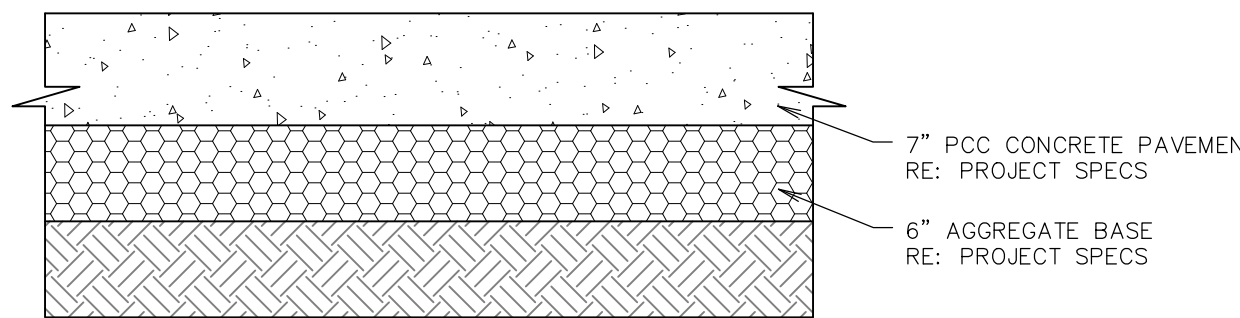
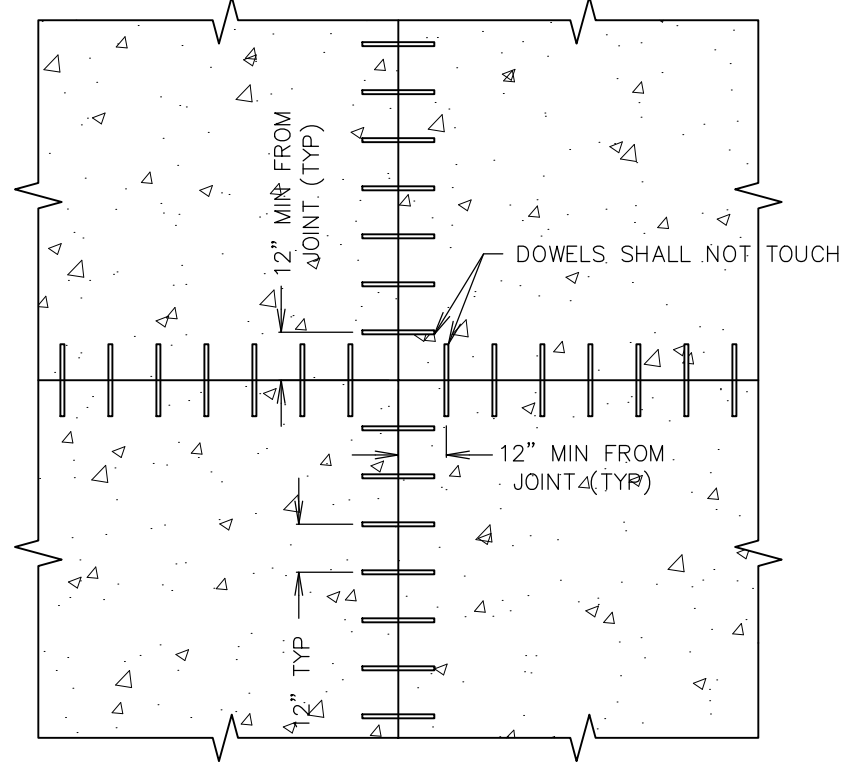
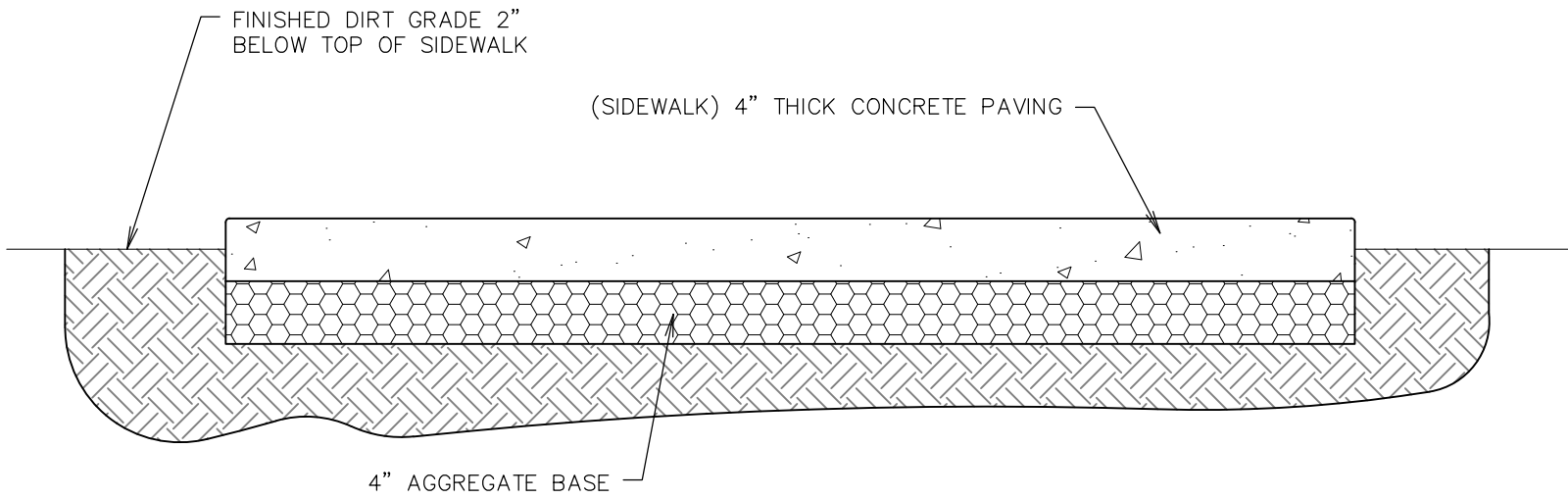
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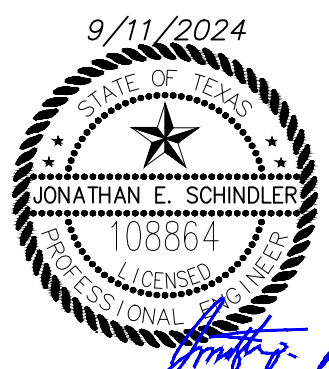
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SHEET TITLE:
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SHEET NUMBER:
 C520

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Q						<p>RE: GEOTECHNICAL REPORT FOR APPROVED METHOD OF SUBGRADE PREPARATION</p>  <p>7" PCC CONCRETE PAVEMENT RE: PROJECT SPECS</p> <p>6" AGGREGATE BASE RE: PROJECT SPECS</p>									
P															
N															
M															
L	L1	NOT USED				L6	CONCRETE PAVING SECTION - STORE SIDE (PVR ABOVE 1.0)	L11	PAVING JOINT - SEALANT TOLERANCE DETAIL						
	NTS	SN:				NTS	SN: PD055M005	NTS	SN: PD042A003						
K						<p>1. 1" x 18" SMOOTH STEEL DOWEL BARS @ 12" O.C., EPOXY COATED.</p> <p>2. NOT REINFORCED EXCEPT WHEN PANELS WITH LENGTH TO WIDTH RATIO EXCEEDS 1.50, THEN #3 REBAR @ 24" O.C. BOTH WAYS, 2" CLEAR FROM TOP OF SLAB.</p> <p>3. IF ADJACENT JOINT DOES NOT LINE UP (TEE JOINT) OMIT DOWELS ON THAT SIDE OF PANEL.</p> <p>4. DOWEL BASKET WIRES SHALL NOT CROSS JOINTS. CROSS WIRES MUST BE CUT AND REMOVED PRIOR TO POUR.</p>	 <p>DOWELS SHALL NOT TOUCH</p> <p>12" MIN FROM JOINT (TYP)</p> <p>12" MIN FROM JOINT (TYP)</p> <p>9" TYP</p>								
J															
H															
G															
F	F1	NOT USED				F6	DOWEL - JOINT SEPARATION DETAIL	F11	NOT USED						
	NTS	SN:				NTS	SN: PD046A002	NTS	SN:						
E						<p>RE: GEOTECHNICAL REPORT FOR APPROVED METHOD OF SUBGRADE PREPARATION.</p> <p>RE: AHJ SPEC'S FOR WORK IN R-Q-W</p>	 <p>FINISHED DIRT GRADE 2" BELOW TOP OF SIDEWALK</p> <p>(SIDEWALK) 4" THICK CONCRETE PAVING</p> <p>4" AGGREGATE BASE</p>								
D															
C															
B															
A	A1	NOT USED				A6	SIDEWALK SECTION	A11	NOT USED						
	NTS	SN:				NTS	SN: PD057A003	NTS	SN:						



PROJECT NO.: 0722006_0912

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DIVISION:
VERSION: 001
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DRAWN BY: BDH
REVIEWED BY: JES

REV	DATE	DESCRIPTION	ORIGINAL ISSUE DATE:

SHEET TITLE:
PAVING DETAILS II

SHEET NUMBER:
C521

Landscape Schedule					
USE	SYMBOL	COMMON NAME <i>Botanical Name</i>	MINIMUM SIZE/ HEIGHT/SPREAD	QUANTITIES	COMMENTS
SHRUBS	○	LOROPETALUM (CHINESE FRINGE FLOWER) <i>Loropetalum chinense var. rubrum</i>	HEIGHT/SPREAD RATIO = 3:2 15"Ø X 10" HT MIN	0 EA.	SEE LANDSCAPE PLAN AND ASSOCIATED DETAILS FOR LANDSCAPE BED LOCATIONS AND SHRUB SPACING
	○	NEEDLE POINT HOLLY <i>Ilex Cornuta "Needle Point"</i>	HEIGHT/SPREAD RATIO = 3:2 24"Ø X 18" HT MIN	13 EA.	
TREES	⊙	LIVE OAK <i>Quercus Virginiana</i>	2" CALIPER 12' HT	3 EA.	SEE LANDSCAPE PLAN AND ASSOCIATED DETAILS FOR TREE PLACEMENT, AND PLANTING SPECIFICATIONS
	⊙	CRAPE MYRTLE <i>Lagerstroemia Indica</i>	3" CALIPER (TOTAL) 6' HT	4 EA.	CONTRACTOR TO VERIFY TREE TYPE, LOCATION, SIZE, HEIGHT, AND SPREAD WITH QT REPRESENTATIVE PRIOR TO INSTALLATION
MISC	▨	TIFWAY 419 BERMUDA SOD	N/A	2,968 S.F.	


REQUIREMENT TYPE	REQUIRED	PROVIDED
TOTAL GROSS LOT AREA OF PARKING EXPANSION	11,342 S.F. / 0.26 AC	
AREA OF IMPERVIOUS SURFACE	7,388 S.F. / 65.3%	
AREA OF ALL LANDSCAPED AREAS	3,954 S.F. / 26.9%	
AREA OF PARKING IN EXPANSION	6,318 S.F. / .145 AC	
AREA OF EXISTING TREE CANOPY	452 S.F. / 3.9%	
AREA OF PROPOSED TREE CANOPY	3,771 S.F. / 33%	
AREA OF TREE CANOPY	15% OF PARKING AREA = 948 CANOPY SF 20% OF SITE = 2,268 CANOPY SF	1,019 CANOPY SF OR 16% 3,771 SF OR 33%
AREA OF LANDSCAPE SPACE	15% OF SITE = 1,701 SF	3,954 S.F. OR 26.9%

PROJECT NO.: QT2006_0912



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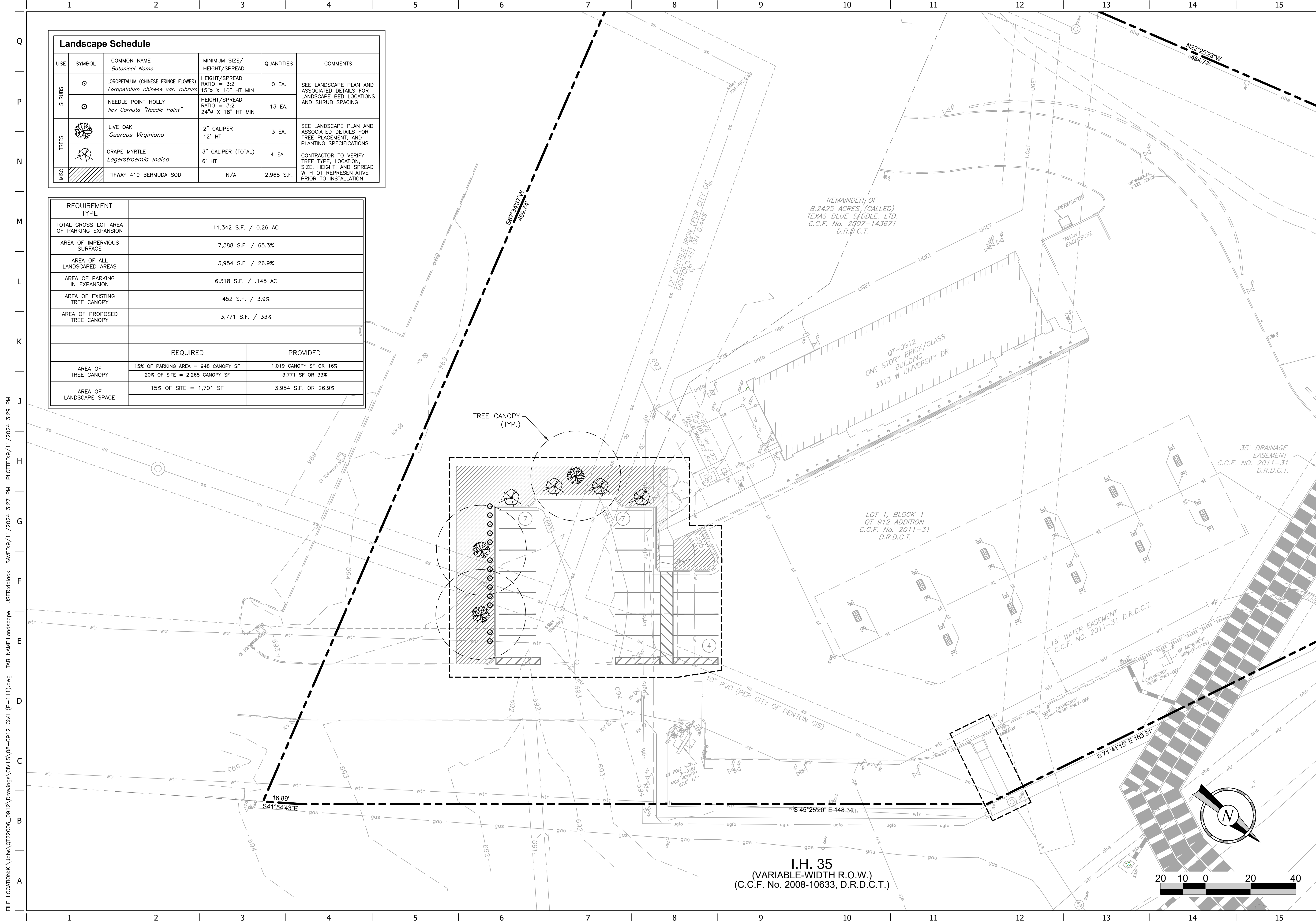
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DIVISION:
VERSION: 001
DESIGNED BY: BDH
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REV.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE:

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
L100



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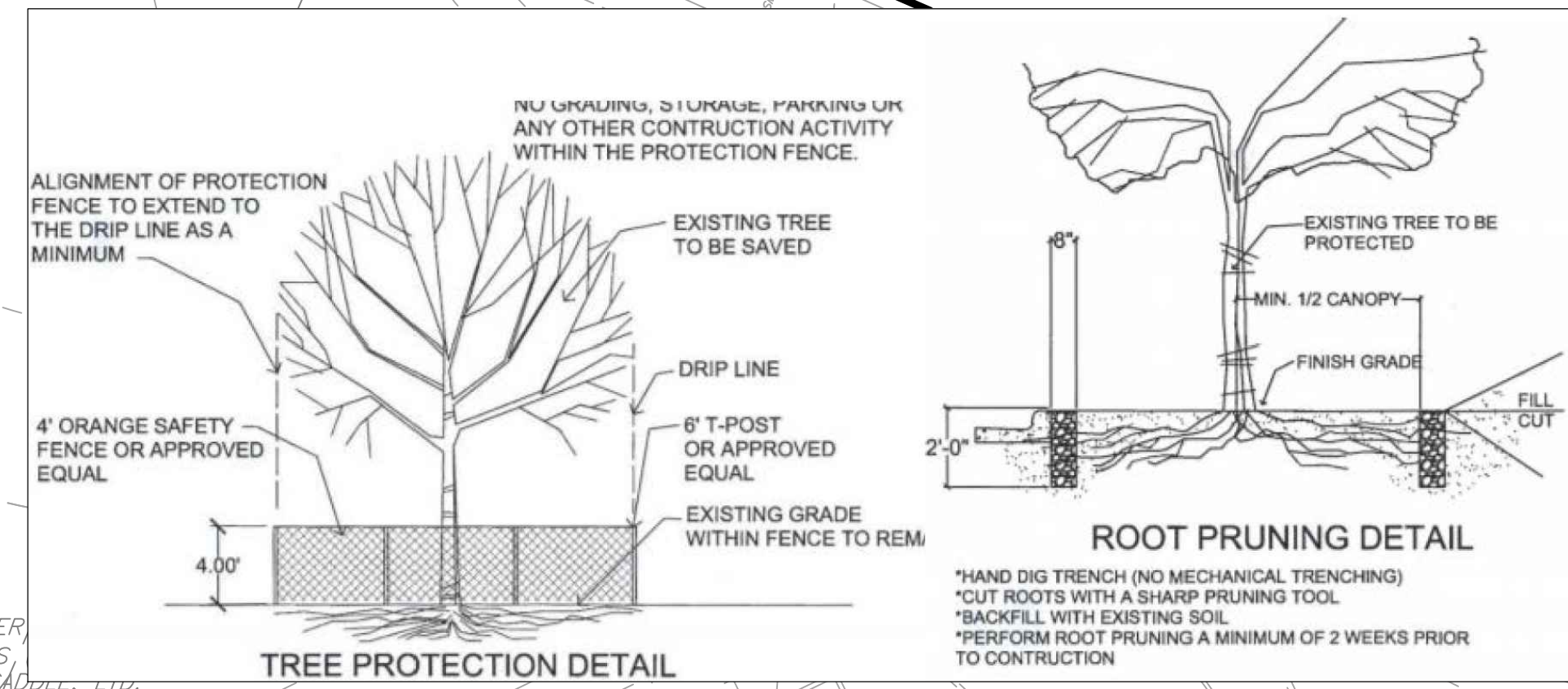
- CURB LINE
- EX. TREE TO BE REMOVED
- EXISTING TREE TO REMAIN
- TREE PROTECTION FENCING
- LIMITS OF DISTURBANCE

TREE TABLE

NO.	HT.	DIAM.	SPECIES	REMOVE/REMAIN	CONDITION
1	8	2"	CAPE MYRTLE	NON-PROTECTED REMOVED	ALIVE
2	8	2"	CAPE MYRTLE	NON-PROTECTED REMOVED	ALIVE
3	8	2"	CAPE MYRTLE	NON-PROTECTED REMOVED	ALIVE
4	8	2"	CAPE MYRTLE	NON-PROTECTED REMAIN	ALIVE
5	8	2"	CAPE MYRTLE	NON-PROTECTED REMAIN	ALIVE
6	8	2"	CAPE MYRTLE	NON-PROTECTED REMAIN	ALIVE
7	12	3"	LIVE OAK	NON-PROTECTED REMOVED	ALIVE

TREE COUNT

TOTAL EX. TREES WITHIN LOD	7
EX. TREES TO BE REMOVED	4
EX. TREES TO REMAIN	3



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VERSION: 001

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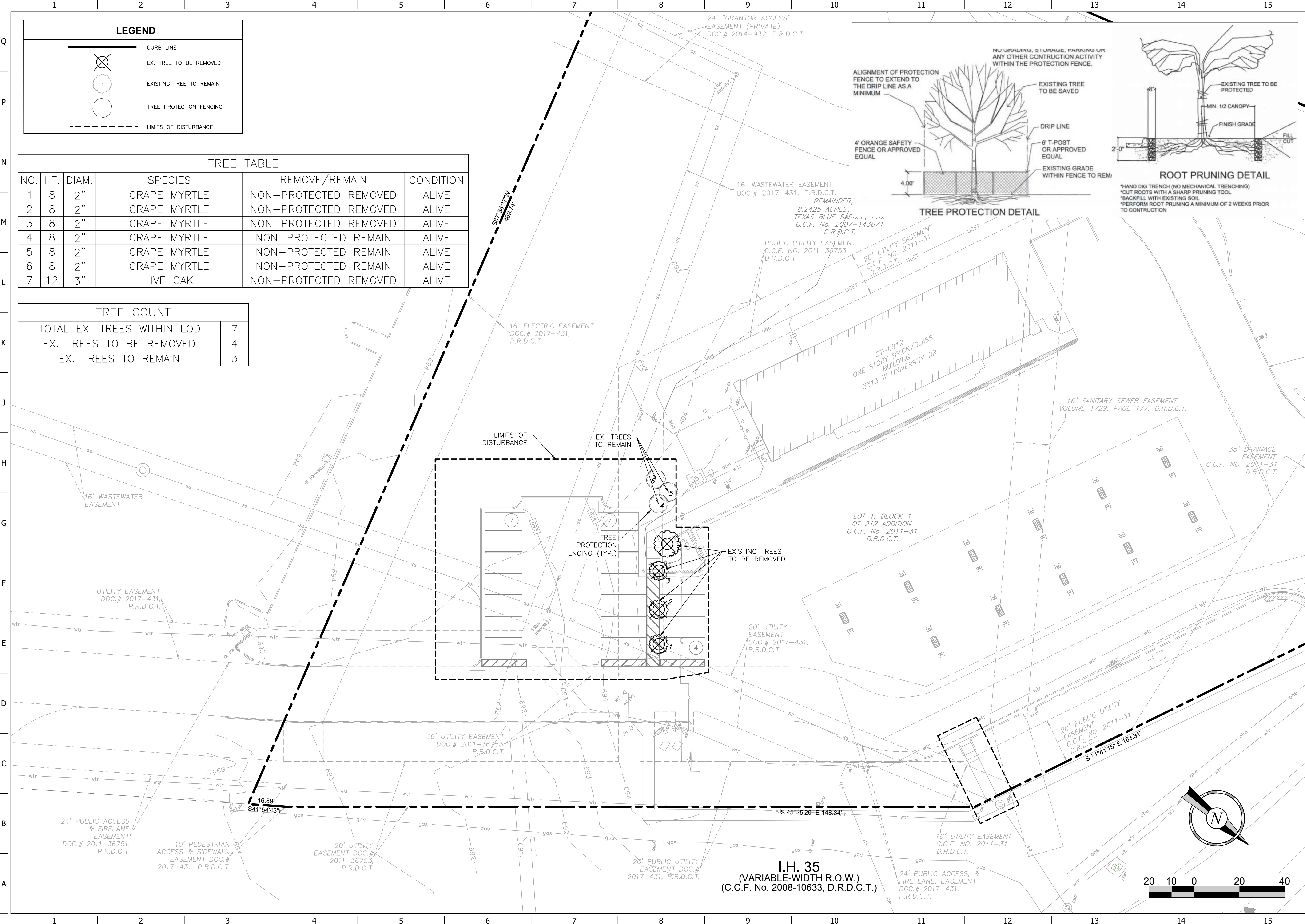
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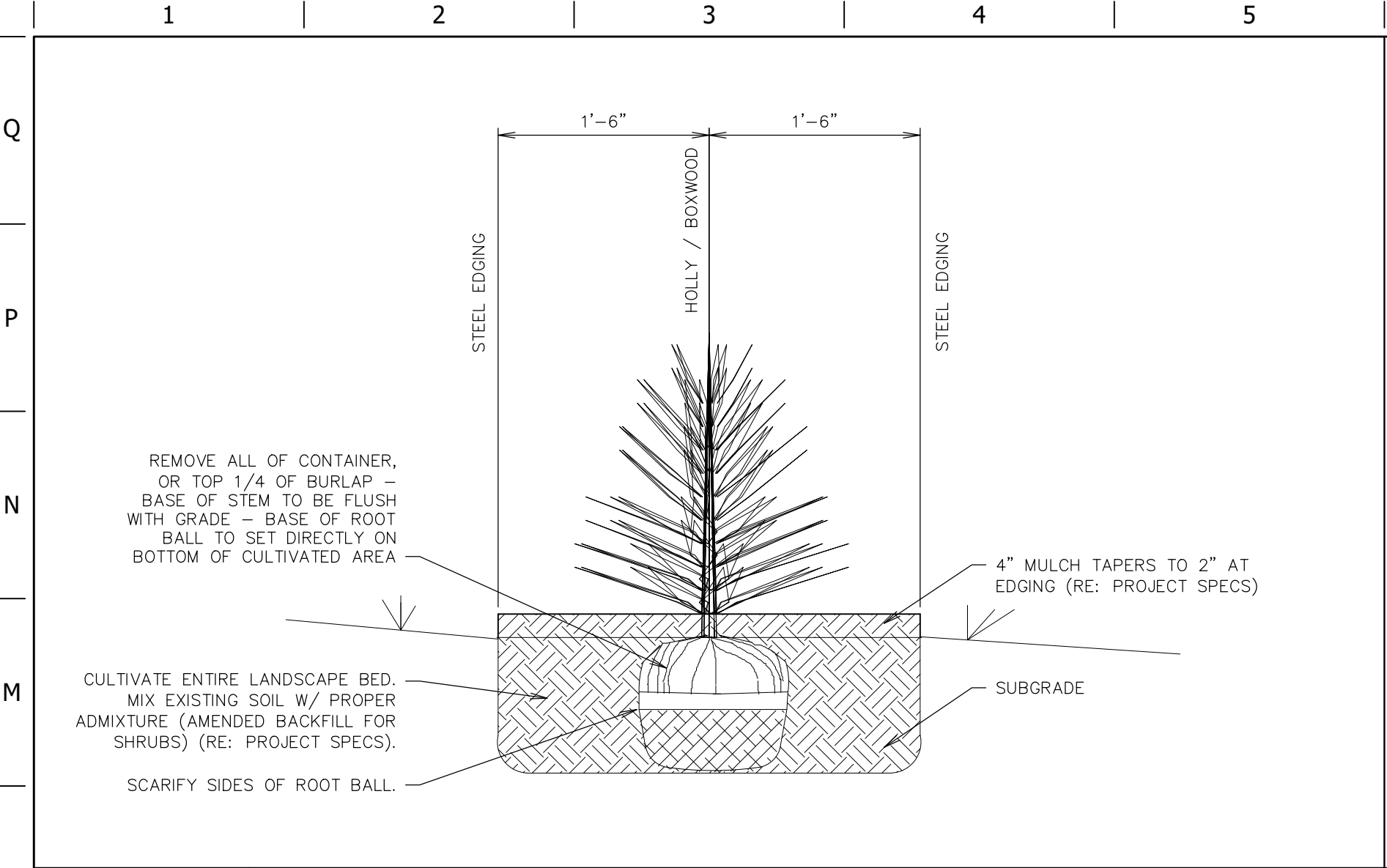
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TREE PRESERVATION PLAN

SHEET NUMBER:
L101

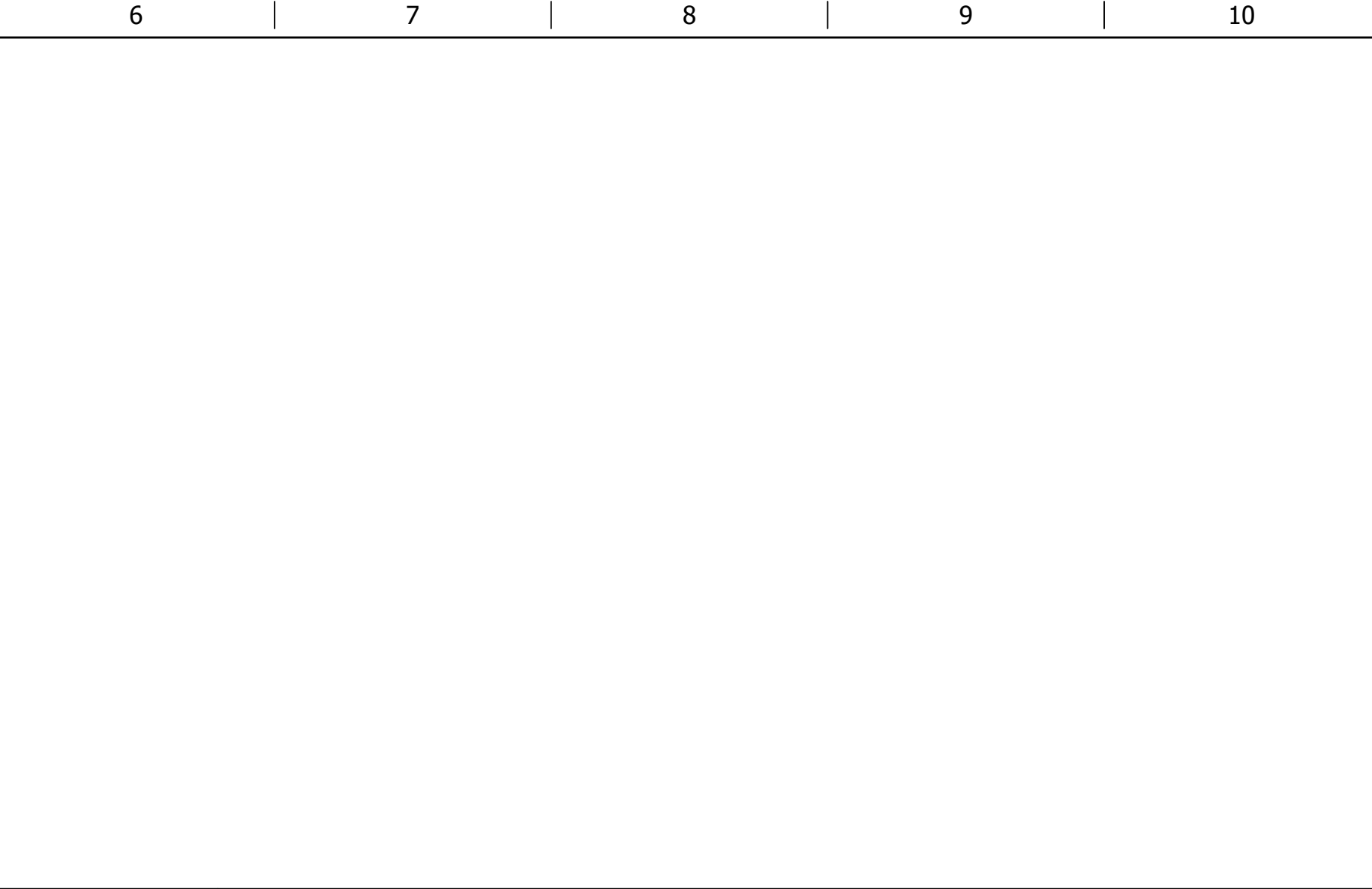
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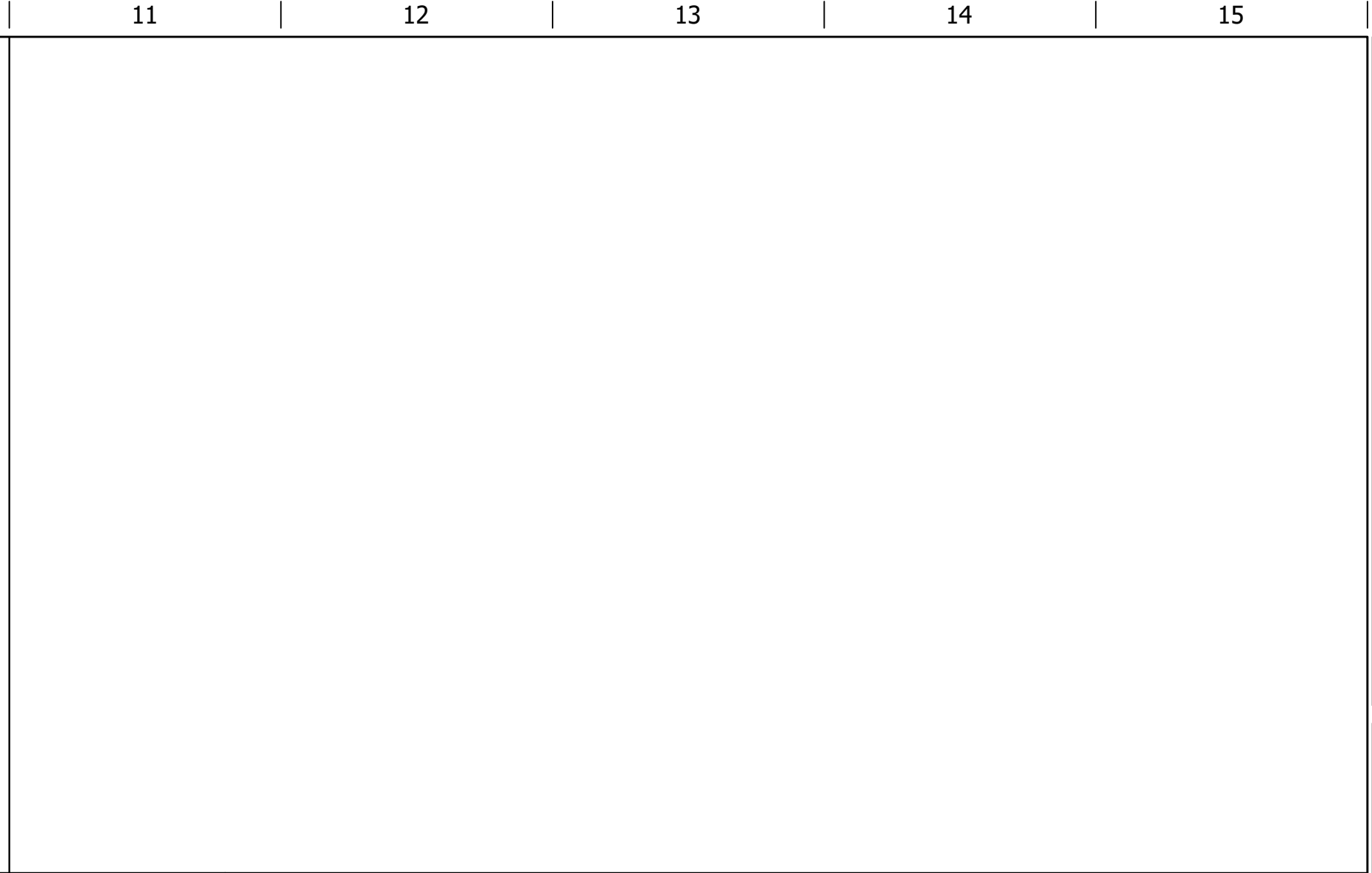
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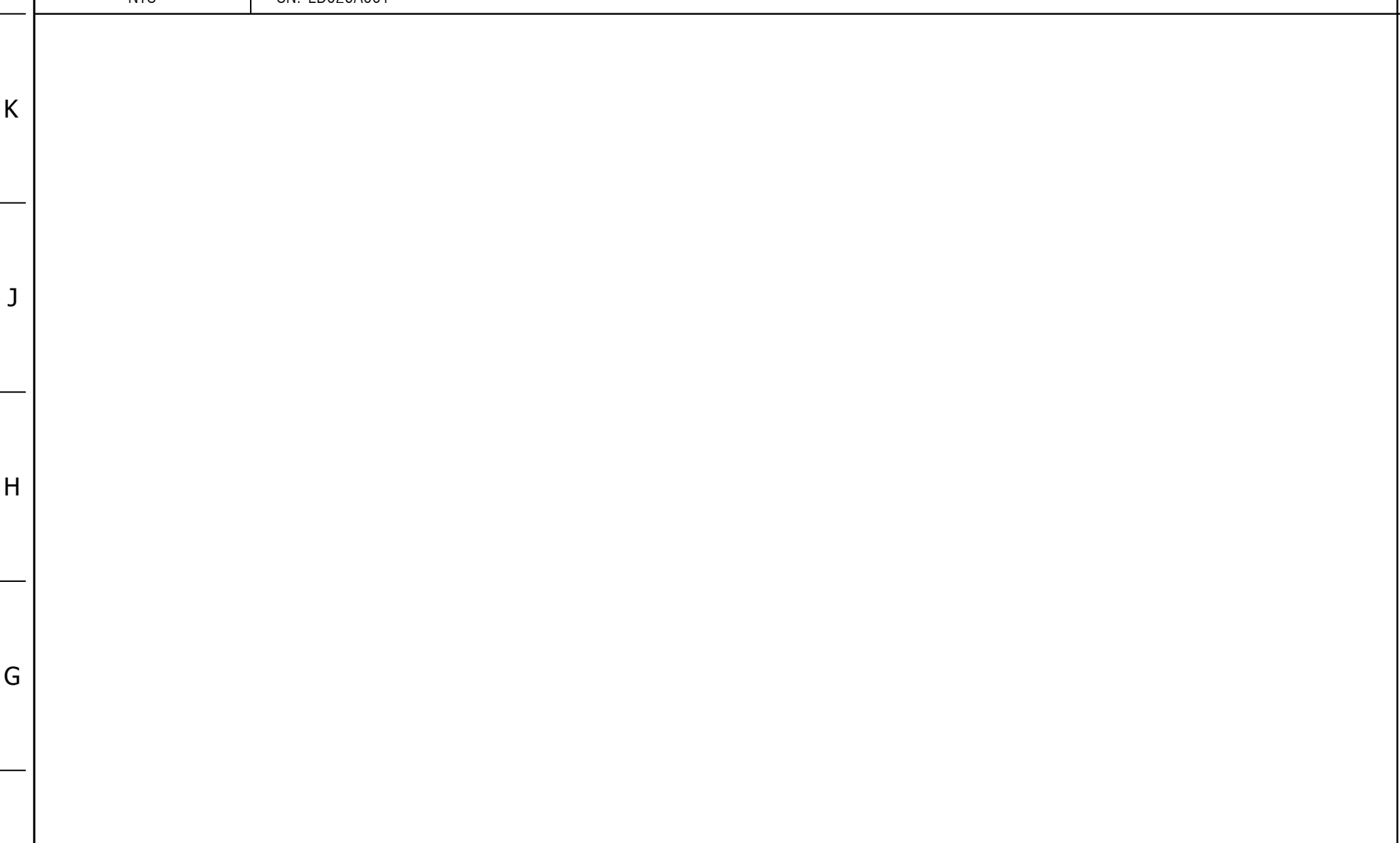
L1 SINGLE SHRUB SCREENING SECTION B-B
NTS SN: LD026A001



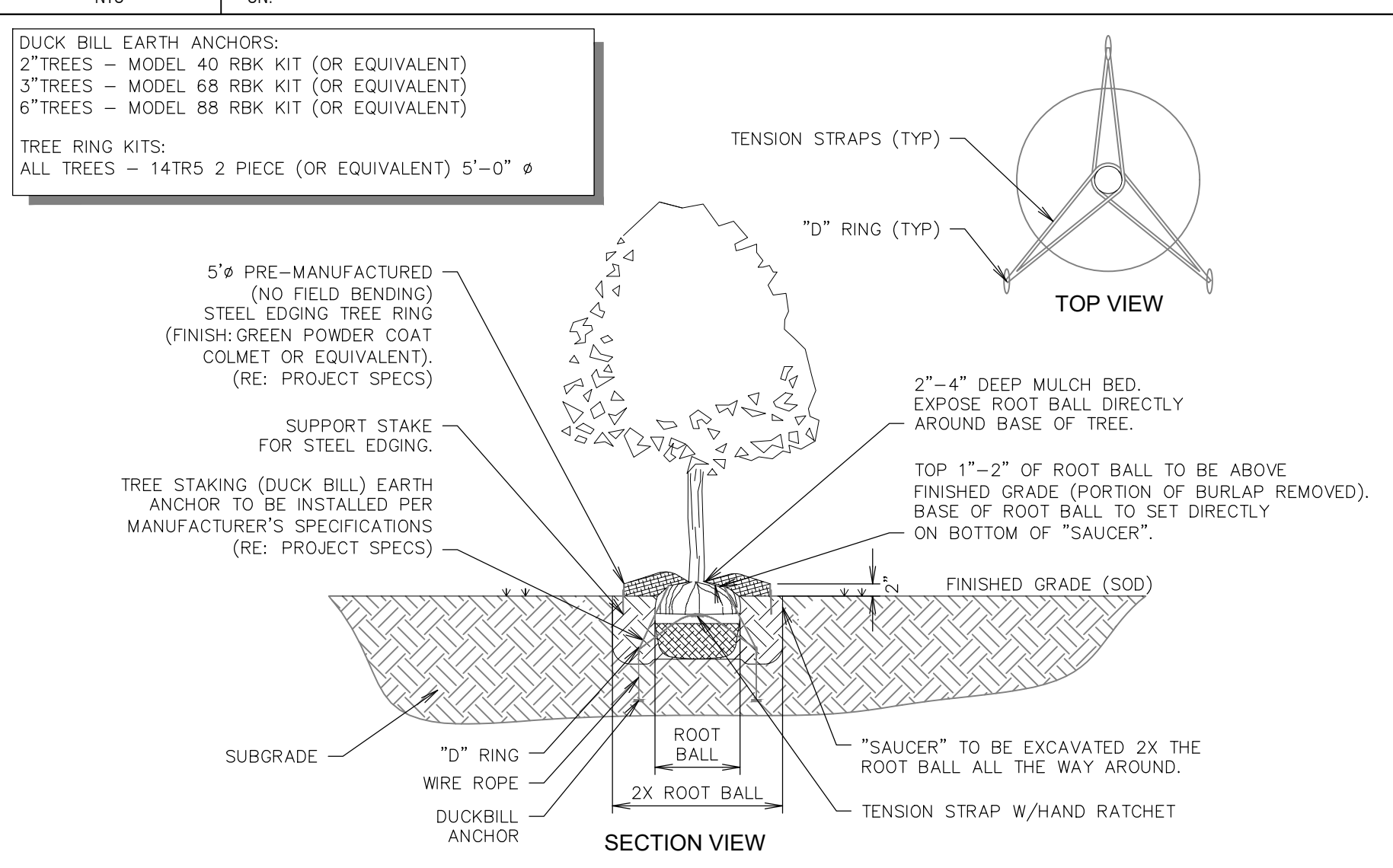
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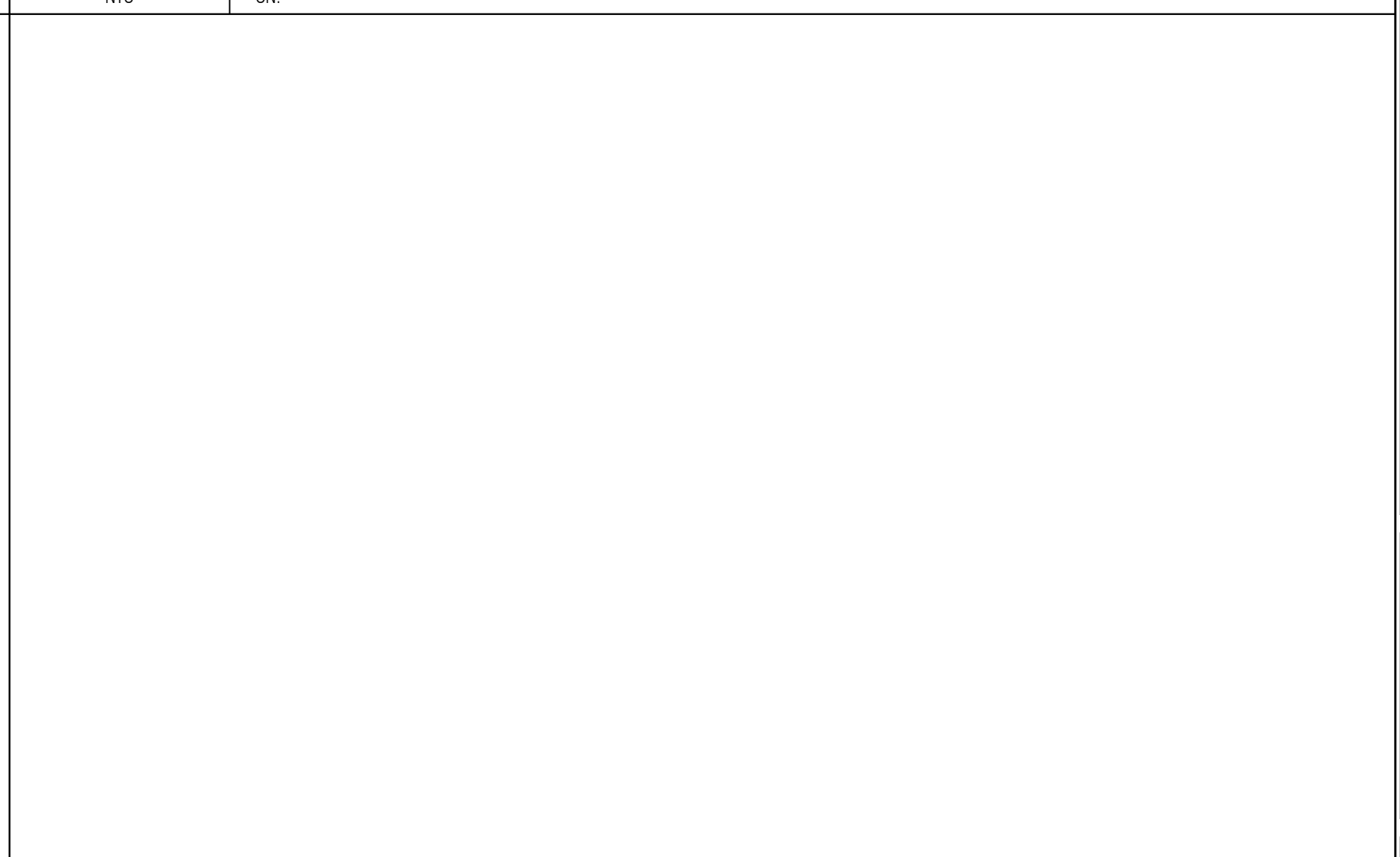
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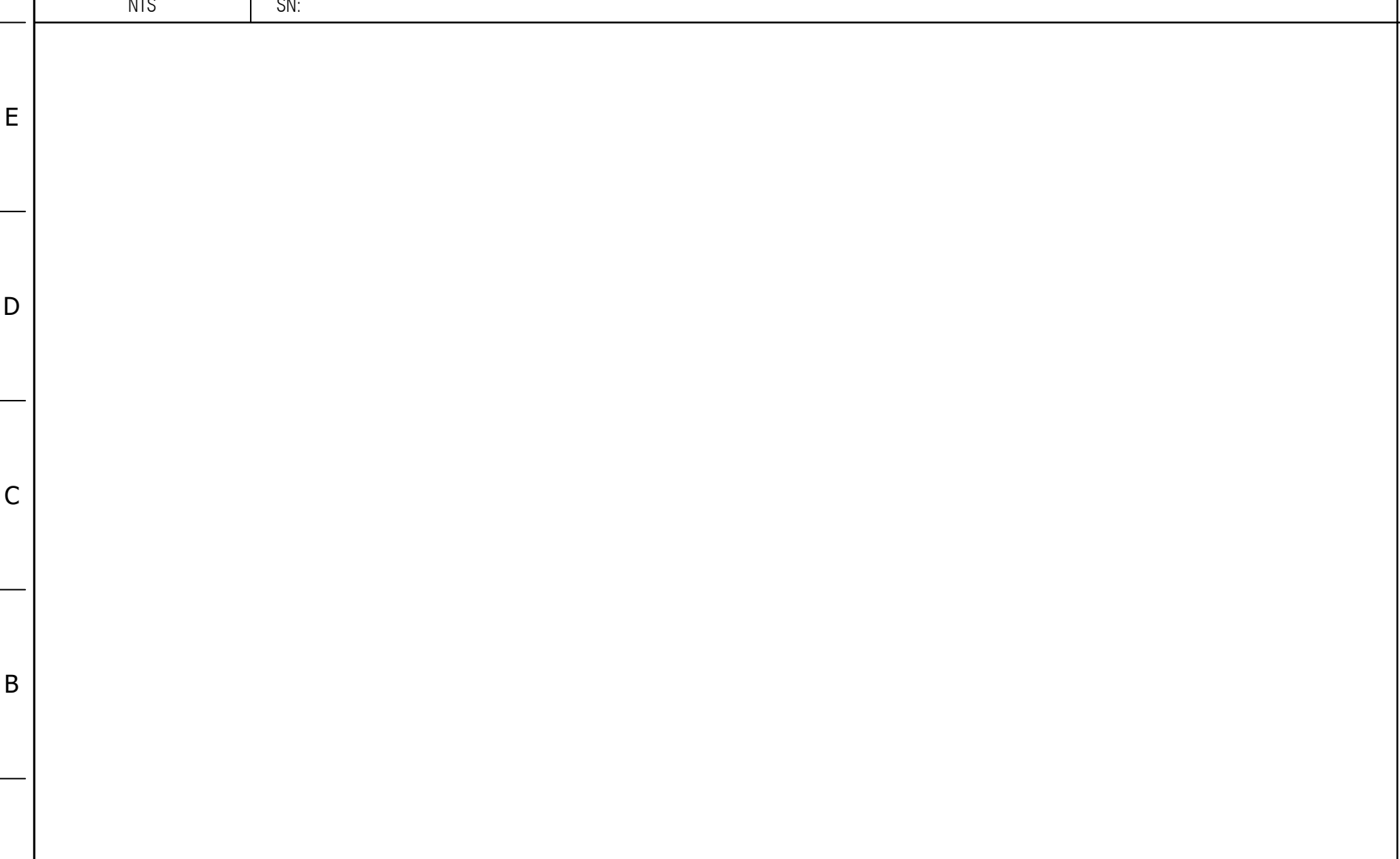
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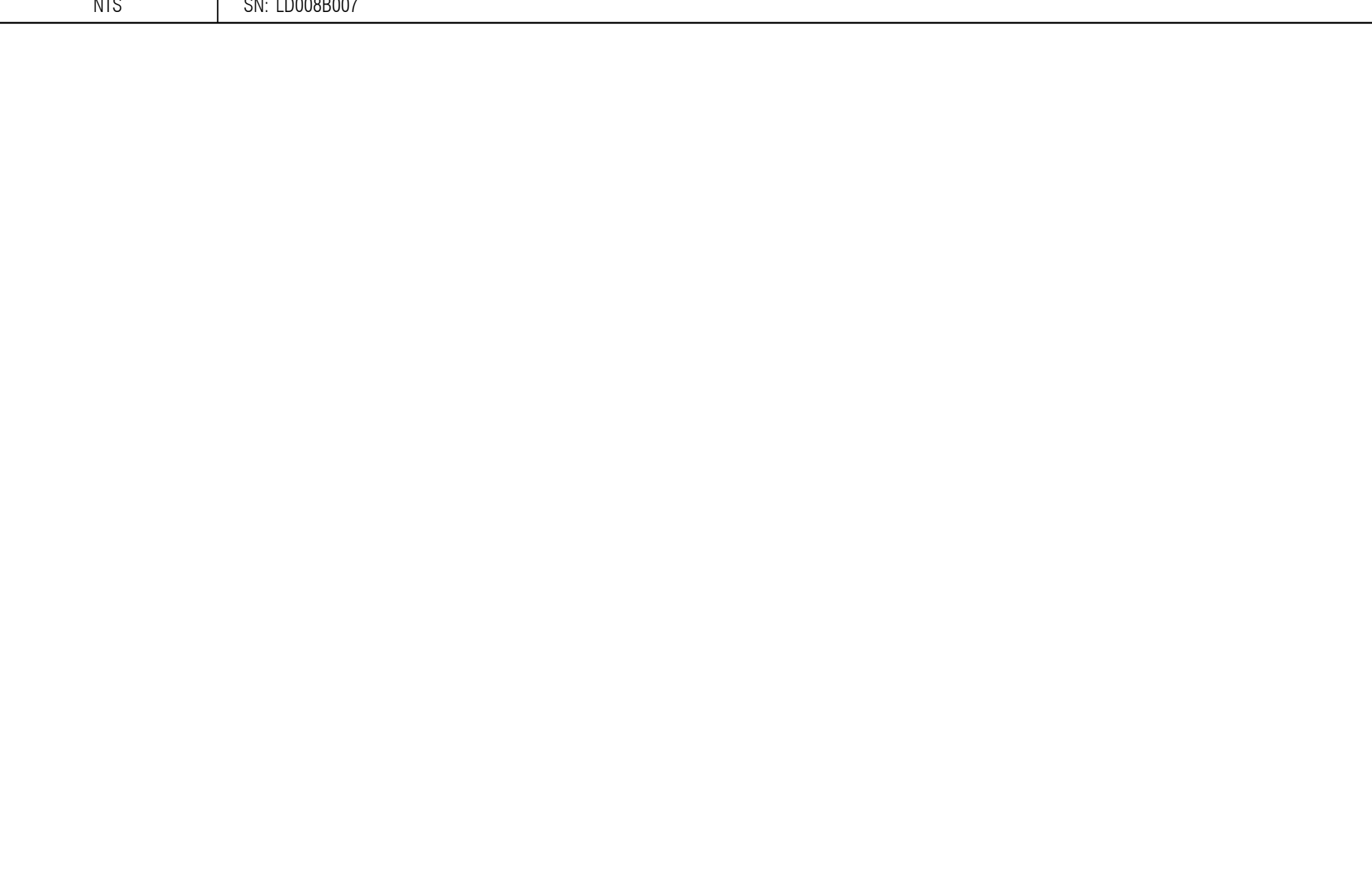
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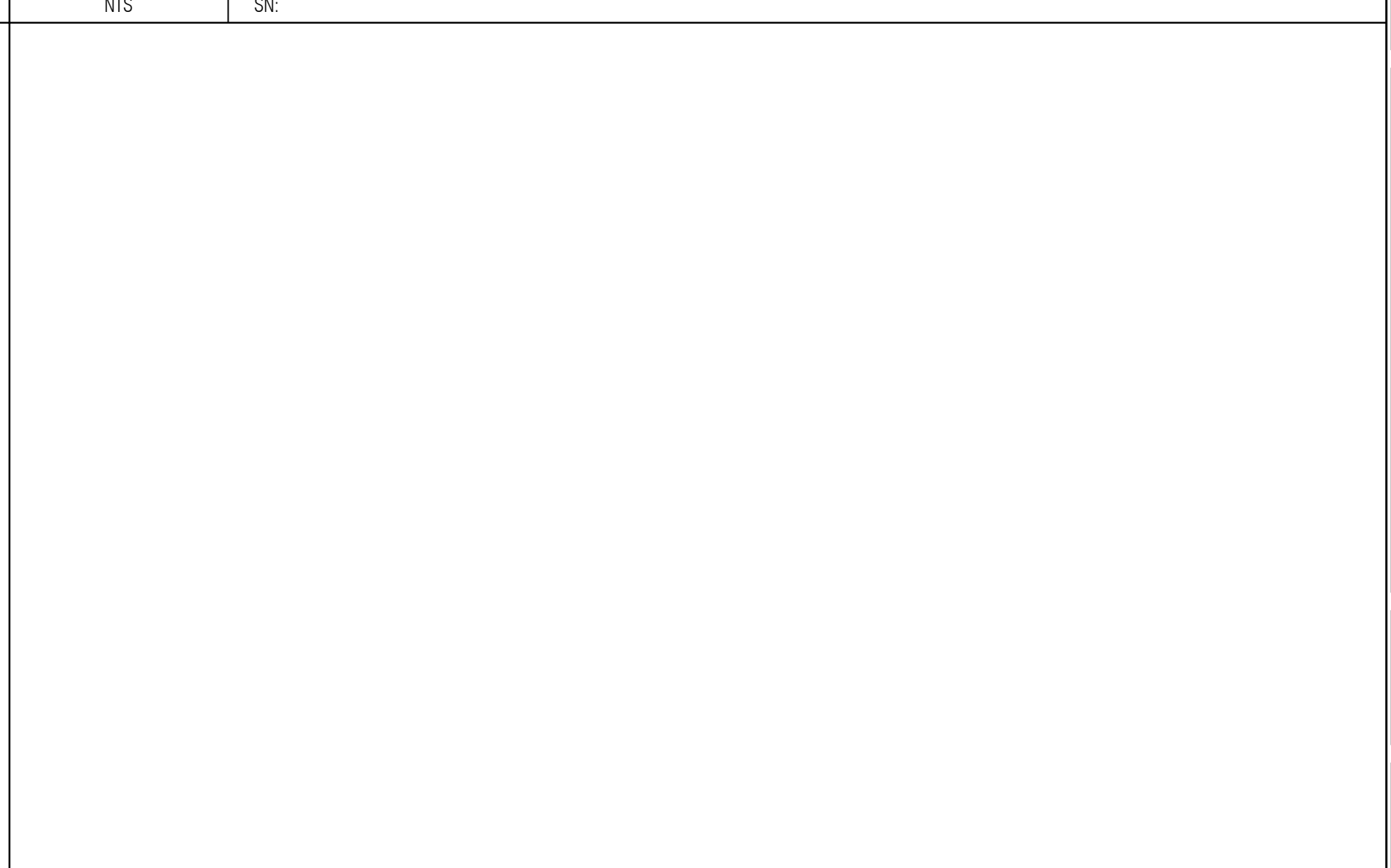
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NTS SN:



A1 NOT USED
NTS SN:



A6 NOT USED
NTS SN:



A11 NOT USED
NTS SN:

PROJECT NO.: QT22006_0912

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Phone: 817-488-4960
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REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE:

SHEET TITLE:
LANDSCAPE DETAILS I

SHEET NUMBER:
L500