

VILLAGE OF GILBERTS

RESOLUTION NO. 05-2022

**RESOLUTION AUTHORIZING ACCEPTANCE OF PUBLIC IMPROVEMENTS
FOR THE PRAIRIE BUSINESS PARK SUBDIVISION**

WHEREAS, the Gilberts Village Board of Trustees previously approved a Final Plat of Subdivision for the Prairie Business Park pursuant to Ordinance 14-2013; and

WHEREAS, the Final Plat of Subdivision for the Prairie Business Park provided for the dedication of certain land to the Village of Gilberts as public rights-of-way, including Trillium Drive and Larkspur Drive; and

WHEREAS, J.S. Riemer, Inc. is the current owner of portion of the Prairie Business Park Subdivision (“Owner”); and

WHEREAS, the Owner has requested that the Village accept the portion of Trillium Drive between Tyrrell Road and Prairie Parkway, and the portion of Larkspur Drive between Trillium Drive and Illinois Route 72, both of which were dedicated to the Village pursuant to the Prairie Business Park Final Plat of Subdivision; and

WHEREAS, the “as-built” plans for the portions of Trillium Drive and Larkspur Drive to be accepted have been received and approved by the Village; and

WHEREAS, the Owner has provided the Village with sufficient guaranty security to insure against defects in the portions of Trillium Drive and Larkspur Drive to be accepted; and

WHEREAS, the Village Engineer has recommended that the Village accept the portions of Trillium Drive and Larkspur Drive in accordance with the approved “as-built” plans.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE VILLAGE OF GILBERTS, IN KANE COUNTY, ILLINOIS, as follows:

Section 1. Acceptance of Public Improvements. Upon the recommendation of the Village Engineer, the Village Board of Gilberts hereby accepts the portion of Trillium Drive between Tyrrell Road and Prairie Parkway, and the portion of Larkspur Drive between Trillium Drive and Illinois Route 72, both of which were dedicated to the Village pursuant to the Prairie Business Park Final Plat of Subdivision, subject to the delivery of an executed Bill of Sale from the Owner in a form acceptable to the Village.

Section 2. Effective Date. This Resolution shall be in full force and effect from and after its approval in the manner provided by law.

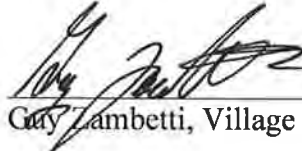
PASSED BY THE BOARD OF TRUSTEES this 1 day of March, 2022, as follows:

	<u>Ayes</u>	<u>Nays</u>	<u>Absent</u>	<u>Abstain</u>
Trustee Jeanne Allen	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trustee Brandon Coats	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trustee Dan Corbett	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Trustee Lou Hacker
Trustee David LeClerq
Trustee Justin Redfield
President Guy Zambetti

<input checked="" type="checkbox"/>	_____	_____	_____
<input checked="" type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____

APPROVED THIS 1 DAY OF March, 2022



Guy Zambetti, Village President



Courtney Baker, Village Clerk





Bond No. 0806133
Premium \$ 869.00

SUBDIVISION MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, J.S. Riemer, Inc. as Principal, and Harco National Insurance Company a corporation duly organized and by the virtue of the laws of the State of Illinois and authorized to become sole surety on bonds in the State of Illinois, as Surety, are held and firmly bound unto the Village of Gilberts, hereinafter called the Obligee, in the just and penal sum of One Hundred Seventy Three Thousand Eight Hundred Eighty Nine and 51/100 Dollars (\$ 173,889.51), lawful money of the United States of America, to be the payment of which well and truly to be made the Principal binds itself, its successors and assigns, and the Surety binds itself, its successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal hereby guarantees against defective workmanship and material for the following improvements:

Larkspur Drive and Trillium Drive

PROVIDED, HOWEVER, that this bond is subject to the following conditions and provisions:

1. This bond is for the term of 2 year(s) from the date of acceptance of the work by the Obligee to expire 03/01/2024.
2. In the event of default by the Principal in the performance of the maintenance during the term of this bond, the Surety shall be liable only for cost of maintenance up to the termination of the term of this bond.
3. No claim, action, suit or proceeding, except as hereinafter set forth, shall be had or maintained against the Surety on this instrument unless same be brought or instituted and process served upon the Surety after the expiration date of the bond.

Signed and sealed this 1st day of March, 2022.

J.S. Riemer, Inc.
Principal
By: [Signature]

Harco National Insurance Company
By: [Signature]
Lucianne Bischoff / Attorney-in-Fact

Surety Company Acknowledgement

STATE OF ILLINOIS
COUNTY OF COOK

SS:

On this the 1st of March, 2022, before me personally appeared Lucianne Bischoff, to me known, who, being by me duly sworn, did depose and say: that (s)he resides at Schaumburg, Illinois, that (s)he is the **Attorney in Fact** of Harco National Insurance Company the corporation described in and which executed the annexed instrument; that (s)he knows the corporate seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that (s)he signed his/her name thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.



Notary Public in and for the above County and State

My Commission Expires: 05/26/24



POWER OF ATTORNEY
HARCO NATIONAL INSURANCE COMPANY
INTERNATIONAL FIDELITY INSURANCE COMPANY

Bond # 0806133

Member companies of IAT Insurance Group, Headquartered: 4200 Six Forks Rd, Suite 1400, Raleigh, NC 27609

KNOW ALL MEN BY THESE PRESENTS: That **HARCO NATIONAL INSURANCE COMPANY**, a corporation organized and existing under the laws of the State of Illinois, and **INTERNATIONAL FIDELITY INSURANCE COMPANY**, a corporation organized and existing under the laws of the State of New Jersey, and having their principal offices located respectively in the cities of Rolling Meadows, Illinois and Newark, New Jersey, do hereby constitute and appoint

MIKE POHL, KIRK A. LISKIEWITZ, COURTNEY A. FLASKA, SAMANTHA BRADTKE, BRIEN SPODEN, JAMES L. SULKOWSKI, ROBERT B. SCHUTZ, SHERENE L. HEMLER, CAROL A. DOUGHERTY, STEPHEN L. WEBSTER, CHRISTINE EITEL, LUCIANNE BISCHOFF

Schaumburg, IL

their true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY**, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by their regularly elected officers at their principal offices.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of the By-Laws of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** and is granted under and by authority of the following resolution adopted by the Board of Directors of **INTERNATIONAL FIDELITY INSURANCE COMPANY** at a meeting duly held on the 13th day of December, 2018 and by the Board of Directors of **HARCO NATIONAL INSURANCE COMPANY** at a meeting held on the 13th day of December, 2018.

RESOLVED, that (1) the Chief Executive Officer, President, Executive Vice President, Senior Vice President, Vice President, or Secretary of the Corporation shall have the power to appoint, and to revoke the appointments of, Attorneys-in-Fact or agents with power and authority as defined or limited in their respective powers of attorney, and to execute on behalf of the Corporation and affix the Corporation's seal thereto, bonds, undertakings, recognizances, contracts of indemnity and other written obligations in the nature thereof or related thereto; and (2) any such Officers of the Corporation may appoint and revoke the appointments of joint-control custodians, agents for acceptance of process, and Attorneys-in-fact with authority to execute waivers and consents on behalf of the Corporation; and (3) the signature of any such Officer of the Corporation and the Corporation's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seals when so used whether heretofore or hereafter, being hereby adopted by the Corporation as the original signature of such officer and the original seal of the Corporation, to be valid and binding upon the Corporation with the same force and effect as though manually affixed."

Load Current Date

IN WITNESS WHEREOF, **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** have each executed and attested these presents on this 31st day of December, 2020



STATE OF NEW JERSEY
County of Essex

Kenneth Chapman

Executive Vice President, Harco National Insurance Company
and International Fidelity Insurance Company

STATE OF ILLINOIS
County of Cook



On this 31st day of December, 2020, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said he is the therein described and authorized officer of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY**; that the seals affixed to said instrument are the Corporate Seals of said Companies; that the said Corporate Seals and his signature were duly affixed by order of the Boards of Directors of said Companies.



IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.

Shirelle A. Outley a Notary Public of New Jersey
My Commission Expires April 4, 2023

CERTIFICATION

I, the undersigned officer of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Sections of the By-Laws of said Companies as set forth in said Power of Attorney, with the originals on file in the home office of said companies, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this day, 1st day of March, 2022

A00319

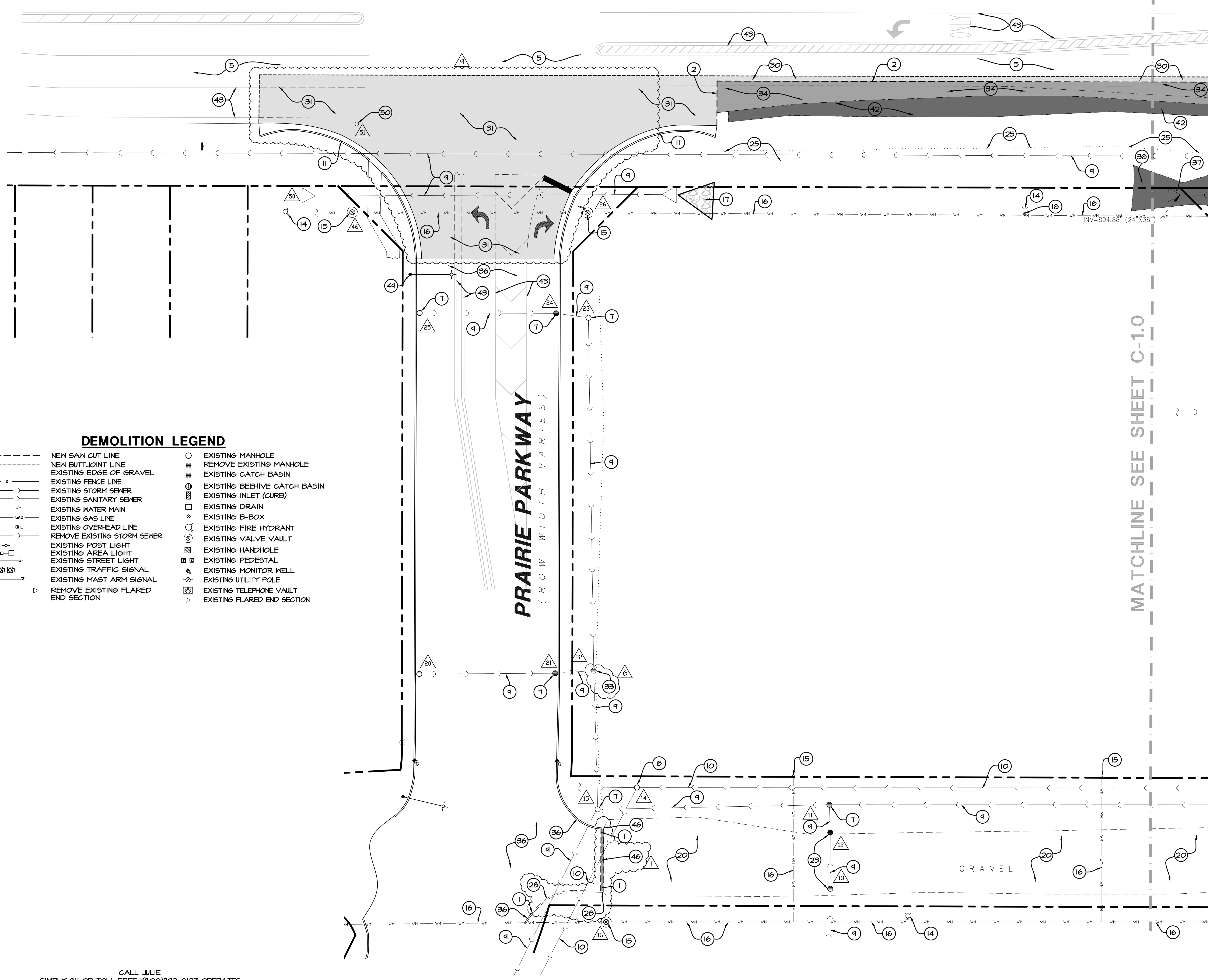
Irene Martins, Assistant Secretary

SITE DEMOLITION NOTES:

- CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY DEMOLITION PERMITS AND COORDINATE ALL DEMOLITION WITH THE MUNICIPALITY AND OWNERS REPRESENTATIVE TO ENSURE PROTECTION AND MAINTENANCE OF SANITARY AND WATER UTILITIES AS NECESSARY AND TO PROVIDE STORM WATER CONVEYANCE UNTIL NEW FACILITIES ARE CONSTRUCTED, TESTED, AND PLACED IN OPERATION.
- CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DAILY PROGRAM OF DUST CONTROL PROCEDURES WITH THE MUNICIPALITY AND OWNERS REPRESENTATIVE TO ENSURE CONTROL PROCEDURES SHALL BE PERFORMED BY THE CONTRACTOR TO THE SATISFACTION OF THE MUNICIPALITY AND COMPLY WITH THE NPDES II REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND THE INDIVIDUAL STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT.
- ALL EXISTING TREES, BRUSH AND MISCELLANEOUS VEGETATION TO BE REMOVED OR DEMOLISHED SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 20' THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- ALL EXISTING BUILDINGS, FOUNDATIONS, CONCRETE OR ASPHALT PAVEMENT OR WALKS, CURB AND GUTTER AND MISCELLANEOUS STRUCTURES (INCLUDING, BUT NOT LIMITED TO FENCES, POLES, YARD LIGHTS, ELECTRICAL PANELS, AND MISCELLANEOUS DEBRIS) INDICATED TO BE DEMOLISHED SHALL BE REMOVED OR DEMOLISHED AND REMOVED FROM THE SITE AND DISPOSED OF LEGALLY BY THE CONTRACTOR.
- CONTACT GAS COMPANY PRIOR TO DEMOLITION. LOCATION OF EXISTING GAS SERVICES ARE UNKNOWN.
- ALL TREES SHALL REMAIN UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- CONTRACTOR SHALL PROVIDE REMOVAL AND REPLACEMENT AND SHORING AS NECESSARY TO MEET OSHA AND LOCAL CODE, AS WELL AS MANUFACTURER'S REQUIREMENTS.
- ALL FOUNDATIONS FOR ALL FENCES, SIGNS, ETC. NOTED FOR REMOVAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE.
- PROOF-ROLLING SHALL BE PERFORMED FOR ALL SUBGRADE PRIOR TO CONSTRUCTION OF NEW PAVEMENT. ALL SUBGRADE PROOF-ROLLING SHALL BE WITNESSED AND APPROVED BY A MATERIALS TESTING AGENCY TO BE HIRED BY THE OWNER. CONTRACTOR TO COORDINATE ALL PROOF-ROLLING WITH THE MATERIALS TESTING AGENCY. CONTACT THE ENGINEER AND MATERIAL TESTING AGENCY SO THAT THEY MAY WITNESS THE PROOF ROLL. PROOF ROLL SHALL BE PROVIDED FOR ALL PAVEMENT AREAS SPECIFIED FOR FULL DEPTH REMOVAL AND REPLACEMENT.
- EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE 'BOUNDARY AND TOPOGRAPHIC' SURVEY LAST DATED (07-14-15), PREPARED BY W-T LAND SURVEYING. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- CLEAR SITE AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS.
- ALL ITEMS MARKED 'EXISTING OR EXISTING TO REMAIN' TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- APPROXIMATE LOCATION OF UNDERGROUND WATER MAIN, WATER MAIN SHOWN AS PER PHASE I INFRASTRUCTURE AND MASS GRADING PLANS, PRAIRIE BUSINESS PARK, GILBERTS IL MASTER UTILITY PLAN PREPARED BY RWS ENGINEERING, LLC WITH A REVISION DATE OF 6/27/15.
- CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LRC-662 AND/OR LRC-663 FORMS AS PART OF THEIR CONTRACT.

PROJECT NOTES:

- NEW FULL DEPTH SAWCUT OF EXISTING CONCRETE TO PROVIDE CLEAN CONSTRUCTION BREAK. CONTRACTOR TO PERFORM SAWCUT AT NEXT CONTROL JOINT BEYOND LIMITS SHOWN.
- NEW FULL DEPTH SAWCUT OF EXISTING ASPHALT PAVEMENT.
- EXISTING CONCRETE SIDEWALK AND TRUNCATED DOME PANELS TO REMAIN.
- EXISTING UTILITY POLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING ASPHALT PAVEMENT TO REMAIN.
- EXISTING TELCO WITNESS POST TO BE REMOVED. COORDINATE WITH UTILITY PROVIDER.
- EXISTING STORM STRUCTURE TO REMAIN.
- EXISTING SANITARY STRUCTURE TO REMAIN.
- EXISTING STORM SEWER TO REMAIN.
- EXISTING SANITARY SEWER TO REMAIN.
- EXISTING B6.10 CURB AND GUTTER TO REMAIN.
- EXISTING B6.12 CURB AND GUTTER TO REMAIN.
- EXISTING SIGN TO REMAIN.
- EXISTING HYDRANT TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING WATER STRUCTURE TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING WATER MAIN TO REMAIN. SEE SITE DEMOLITION NOTE P.
- EXISTING RIP RAP TO REMAIN.
- EXISTING WATER VALVE TO REMAIN. CONTRACTOR TO PROTECT DURING CONSTRUCTION.
- POSSIBLE LOCATION OF EXISTING DRAIN TILE. CONTRACTOR TO NOTIFY ENGINEER IF ENCOUNTERED DURING CONSTRUCTION.
- EXISTING GRAVEL TO REMAIN.
- EXISTING TRAFFIC SIGNAL TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING HAND HOLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING STORM STRUCTURE TO REMAIN. CONTRACTOR TO REMOVE EXISTING MANHOLE FRAME AND GRATE AND STOCKPILE FOR REUSE.
- EXISTING OVERHEAD LINE TO REMAIN. CONTRACTOR TO USE CAUTION WHEN WORKING UNDER WIRES.
- EXISTING TALL GRASS TO BE REMOVED TO THE LIMITS OF CONSTRUCTION.
- EXISTING STORM SEWER TO BE REMOVED.
- EXISTING STRUCTURE TO BE ADJUSTED IN FIELD. SEE UTILITY PLAN FOR MORE INFORMATION.
- NEW SAWCUT (1.36 L.F.) OF EXISTING 6" BACK OF CONCRETE CURB TO CREATE AN ACCESSIBLE DEPRESSED CURB. SEE GRADING PLAN FOR NEW TOP OF CURB ELEVATIONS.
- EXISTING SIDEWALK TO BE REMOVED.
- NEW 2 FOOT BUTT JOINT. SEE DETAIL ON SHEET C-1.0.
- NEW 1/2" HILL AND OVERLAY. SEE DETAIL ON SHEET C-1.0.
- REMOVE 1 FEET OF EXISTING STORM SEWER. SEE UTILITY PLAN FOR MORE INFORMATION.
- EXISTING STORM STRUCTURE TO BE REMOVED.
- EXISTING ASPHALT PAVEMENT TO BE REMOVED FULL DEPTH.
- EXISTING SIGN TO BE REMOVED AND STOCKPILED FOR REUSE.
- EXISTING CONCRETE CURB AND PAVEMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING FLARED END SECTION TO BE REMOVED.
- EXISTING GRAVEL TO BE REMOVED FULL DEPTH AND STOCKPILED FOR REUSE. CONTRACTOR TO COORDINATE WITH THE ENGINEER ON CONDITION OF EXISTING GRAVEL FOR REUSE.
- EXISTING B6.24 CURB AND GUTTER TO REMAIN.
- EXISTING HYDRANT AND AUXILIARY VALVE TO BE RAISED TO MEET NEW FINISH GRADE. SEE UTILITY PLAN FOR NEW ELEVATION.
- EXISTING GRAVEL SHOULDER TO REMAIN.
- EXISTING GRAVEL SHOULDER TO BE REMOVED FULL DEPTH.
- EXISTING STRIPING TO REMAIN.
- EXISTING B6.24 CURB AND GUTTER TO BE REMOVED.
- VERIFY ROUTING AND POTENTIAL CONFLICTS IN FIELD PRIOR TO CONSTRUCTION.
- EXISTING CONCRETE CURB AND PAVEMENT TO BE REMOVED FULL DEPTH.
- EXISTING STORM MANHOLE PER RECORD DRAWINGS. VERIFY LOCATION PRIOR TO CONSTRUCTION.
- SEAL EXISTING SOUTHERN PIPE OPENING IN MANHOLE WITH 2' LONG NON-SHRINK HYDRAULIC GROUT PLUG.
- EXISTING STREET LIGHT TO REMAIN.
- EXISTING TELEPHONE HANDHOLE TO REMAIN.



DEMOLITION LEGEND

- | | | | |
|---------|------------------------------------|---|------------------------------|
| --- | NEW SAW CUT LINE | ○ | EXISTING MANHOLE |
| - - - - | NEW BUTT JOINT LINE | ⊗ | REMOVE EXISTING MANHOLE |
| --- | EXISTING EDGE OF GRAVEL | ⊙ | EXISTING CATCH BASIN |
| --- | EXISTING FENCE LINE | ⊕ | EXISTING BEEHIVE CATCH BASIN |
| --- | EXISTING STORM SEWER | ⊖ | EXISTING INLET (CURB) |
| --- | EXISTING SANITARY SEWER | ⊗ | EXISTING DRAIN |
| --- | EXISTING WATER MAIN | ⊘ | EXISTING B-BOX |
| --- | EXISTING GAS LINE | ⊙ | EXISTING FIRE HYDRANT |
| --- | EXISTING OVERHEAD LINE | ⊗ | EXISTING VALVE VAULT |
| --- | REMOVE EXISTING STORM SEWER | ⊕ | EXISTING HANDHOLE |
| --- | EXISTING POST LIGHT | ⊖ | EXISTING PEDESTAL |
| --- | EXISTING AREA LIGHT | ⊗ | EXISTING MONITOR WELL |
| --- | EXISTING STREET LIGHT | ⊘ | EXISTING UTILITY POLE |
| --- | EXISTING TRAFFIC SIGNAL | ⊙ | EXISTING TELEPHONE VAULT |
| --- | EXISTING MAST ARM SIGNAL | ⊗ | EXISTING FLARED END SECTION |
| --- | REMOVE EXISTING FLARED END SECTION | ⊕ | |

EXISTING UTILITY DATA

- | | | | | | |
|----|--|----|--|----|---|
| 11 | RIM=900.28' (STORM)
72" CONCRETE STRUCTURE
INV=893.18' (36" RCP E)
INV=896.23' (15" RCP S)
INV=893.13' (36" RCP W) | 15 | RIM=900.51' (STORM)
72" CONCRETE STRUCTURE
INV=892.89' (21" RCP N)
INV=892.89' (36" RCP E/S/W) | 23 | RIM=896.86' (STORM)
48" CONCRETE STRUCTURE
INV=893.12' (21" RCP S)
INV=893.12' (15" RCP W) |
| 12 | RIM=900.34' (STORM)
48" CONCRETE STRUCTURE
INV=896.40' (15" RCP N)
INV=896.44' (15" RCP S) | 16 | RIM=901.82' (WATER)
48" CONCRETE STRUCTURE
895.17' AT TOP OF 8" DI
WATERMAIN E/W | 24 | RIM=896.48' (STORM)
48" CONCRETE STRUCTURE
INV=893.17' (15" RCP E)
INV=893.27' (12" RCP W) |
| 13 | RIM=900.32' (STORM)
48" CONCRETE STRUCTURE
INV=896.87' (15" RCP N)
INV=896.87' (12" DI S) | 21 | RIM=898.58' (STORM)
48" CONCRETE STRUCTURE
INV=894.17' (15" RCP E)
INV=894.29' (12" RCP W) | 26 | RIM=896.72' (WATER)
48" CONCRETE STRUCTURE
891.08' AT TOP OF
12" DI WATERMAIN E/W |
| 14 | RIM=900.50' (SANITARY)
48" CONCRETE STRUCTURE
INV=890.79' (8" PVC E/W)
INV=890.79' (10" PVC SW) | 22 | RIM=899.39' (STORM)
48" CONCRETE STRUCTURE
INV=893.06' (21" RCP N)
INV=892.97' (21" RCP S)
INV=895.39' (15" RCP W) | 28 | INV=892.82' (29"X45") |
| | | | | 29 | RIM=897.43' (TELCO) |

HATCH LEGEND

- ASPHALT TO BE REMOVED FULL DEPTH
- ASPHALT TO BE MILLED / BUTT JOINT (SEE DETAIL ON SHEET C-1.0)
- GRAVEL TO BE REMOVED FULL DEPTH
- CONCRETE REMOVAL

CALL JULIE
SIMPLY 811 OR TOLL FREE 1(800)842-0123 OPERATES
24 HOURS A DAY 365 DAYS A YEAR

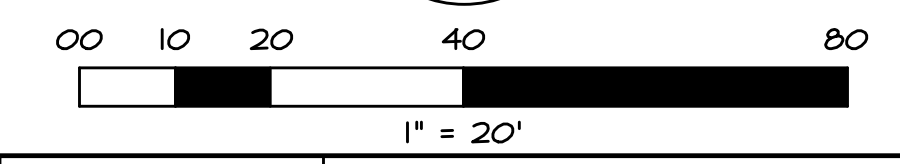


CALL 1(800)842-0123
48 HOURS BEFORE YOU DIG

CONTRACTOR MUST LOCATE PRIVATE UTILITIES IN AREA
OF CONSTRUCTION PRIOR TO PROCEEDING WITH WORK

NOTES:

- SITE BENCHMARK #1 - RAILROAD SPIKE IN UTILITY POLE AT SE. CORNER OF PROPERTY. ELEVATION = 904.74 (NAVD88)
- SITE BENCHMARK #2 - CROSS SET IN CONCRETE PAD OF NORTH LIGHT POLE BASE ON THE WEST SIDE OF PRAIRIE PARKWAY. ELEVATION = 896.99' (NAVD88)



W-T CIVIL ENGINEERING, LLC.
CIVIL AND STRUCTURAL ENGINEERS

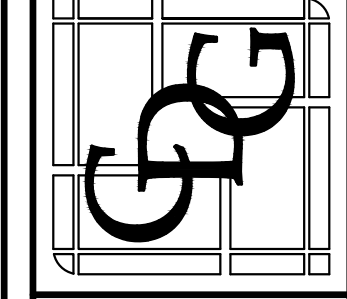
2675 Pratum Avenue
Hoffman Estates, Illinois 60192
PH: (224) 293-6333 FAX: (224) 293-6444
www.wtengineering.com

IL License No.: 184.007570-0015 Exp: 04/30/19

NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
6	PER IDOT'S COMMENTS	8-18-2016	CMS
7	PER VILLAGE COMMENTS	11-14-2016	CMS
8	PER OWNER COMMENTS	04-07-2017	CMS
9	PER IDOT COMMENTS	05-24-2017	CMS

CORPORATE DESIGN + DEVELOPMENT GROUP, LLC

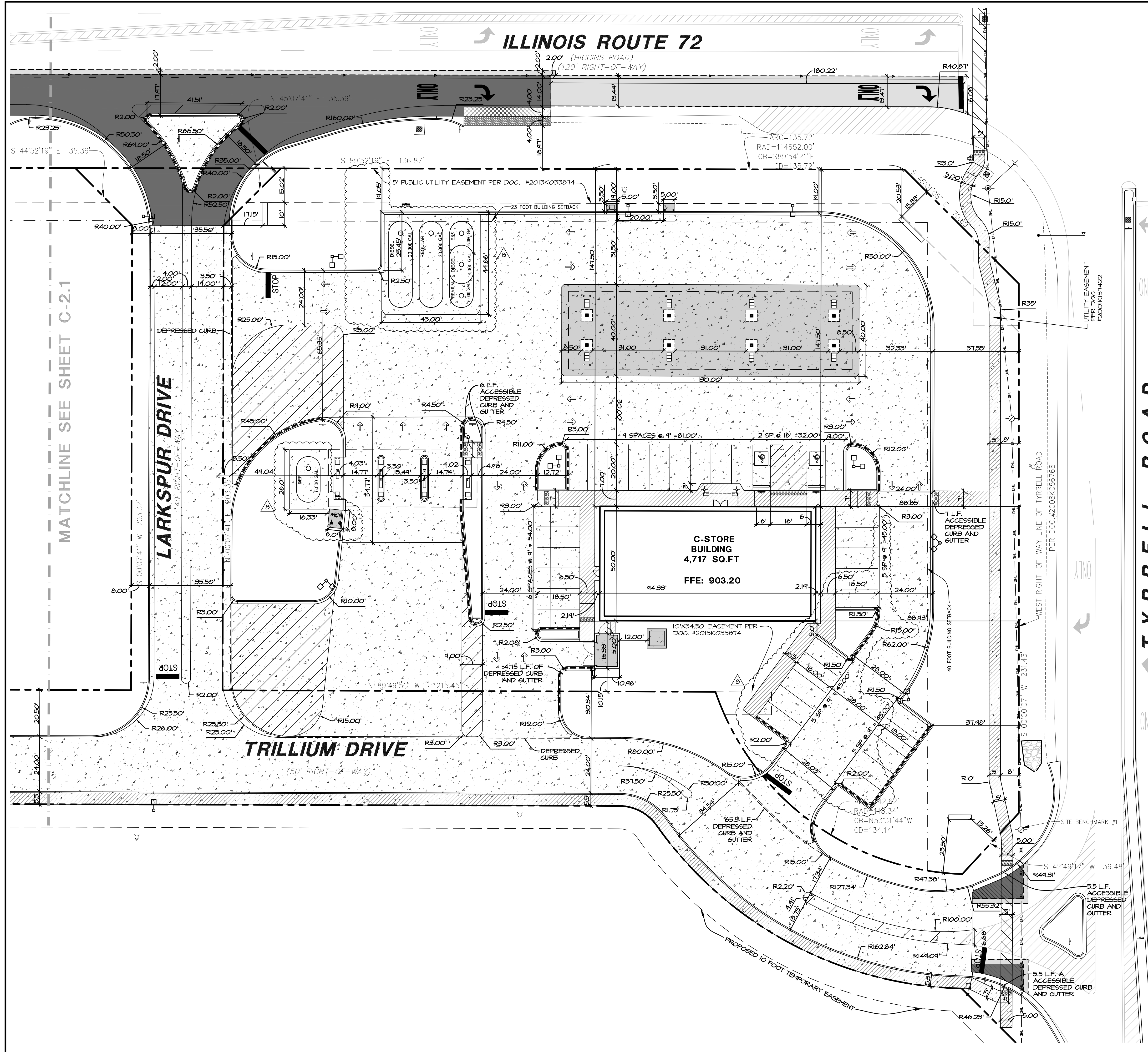
3075 PRAIRIE AVE.
HOFFMAN ESTATES, ILLINOIS 60192
WWW.CDSDLLC.COM
TEL: 224.293.6866
E: INFO@CORPORATEDESIGNFRM.COM



GLOGOVSKY OIL COMPANY
C-STORE
SWC TYRRELL & ILLINOIS ROUTE 72
(HIGGINS RD.)
GILBERTS, IL 60136

SITE DEMOLITION PLAN

START DATE:	12-17-15
SCALE:	AS SHOWN
DRAWN:	CMS
CHECK:	JEG
JOB:	CE15072
SHEET:	C-1.1



- SITE GEOMETRIC NOTES:**
- EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE "BOUNDARY AND TOPOGRAPHIC" SURVEY LAST DATED 07-14-15, PREPARED BY W-T LAND SURVEYING. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - ALL DIMENSIONS SHOWN ARE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE (ARCHITECTURAL) PLANS.
 - SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL BUILDING ENTRIES.
 - CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
 - CONTRACTOR SHALL CONTACT J.U.L.I.E. (811 OR 1-800-842-0123) AND/OR PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRICAL, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
 - ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1045.02 OF THE IDOT STANDARD SPECIFICATIONS.
 - SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
 - ALL RADII ARE MEASURED FROM THE FACE OF THE CURB UNLESS NOTED OTHERWISE.
 - ALL PROPOSED IMPROVEMENTS ARE PARALLEL AND PERPENDICULAR TO THE NORTH PROPERTY LINE.

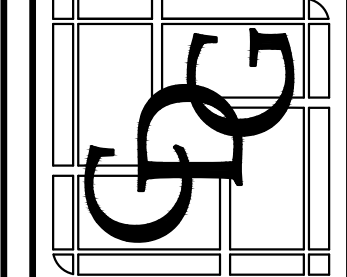
- HATCH LEGEND**
- NEW BUTT JOINT / ASPHALT PAVEMENT MILL AND OVERLAY (SEE DETAILS ON SHEET C-1.0)
 - NEW ASPHALT PAVEMENT (SEE "ILT2 TYPICAL SECTION DETAIL" ON SHEET C-1.0)
 - NEW HEAVY DUTY ASPHALT PAVEMENT (SEE "HEAVY DUTY ASPHALT PAVEMENT DETAIL" ON SHEET C-1.0)
 - NEW CONCRETE SIDEWALK (SEE DETAIL ON SHEET C-1.0)
 - NEW 8" CONCRETE PAVEMENT (SEE DETAIL ON SHEET C-1.0)
 - NEW 6" CONCRETE PAVEMENT (SEE DETAIL ON SHEET C-1.0)
 - NEW DUCTILE IRON PAVEMENT (SEE LARKSPUR & TRILLIUM DRIVE TYPICAL STREET SECTIONS ON SHEET C-1.0)
 - NEW 5" DUCTILE IRON SIDEWALK (SEE DETAIL ON SHEET C-1.0)
 - NEW GRAVEL SHOULDER (SEE "ILT2 TYPICAL SECTION DETAIL" ON SHEET C-1.0)
 - NEW ASPHALT SHOULDER (SEE "ILT2 TYPICAL SECTION DETAIL" ON SHEET C-1.0)

MATCHLINE SEE SHEET C-2.1

TYRELL ROAD

NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
6	PER DOT'S COMMENTS	8-18-2016	CMS
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GLOGOVSKY OIL COMPANY
 C-STORE
 SWC TYRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

SITE GEOMETRIC PLAN

START DATE: 12-17-15
 SCALE: AS SHOWN
 DRAWN: CMS
 CHECK: JEG
 JOB: CE15072
 SHEET: **C-2.0**

W-T CIVIL ENGINEERING, LLC.
CIVIL AND STRUCTURAL ENGINEERS
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 Hoffman Estates, Illinois 60192
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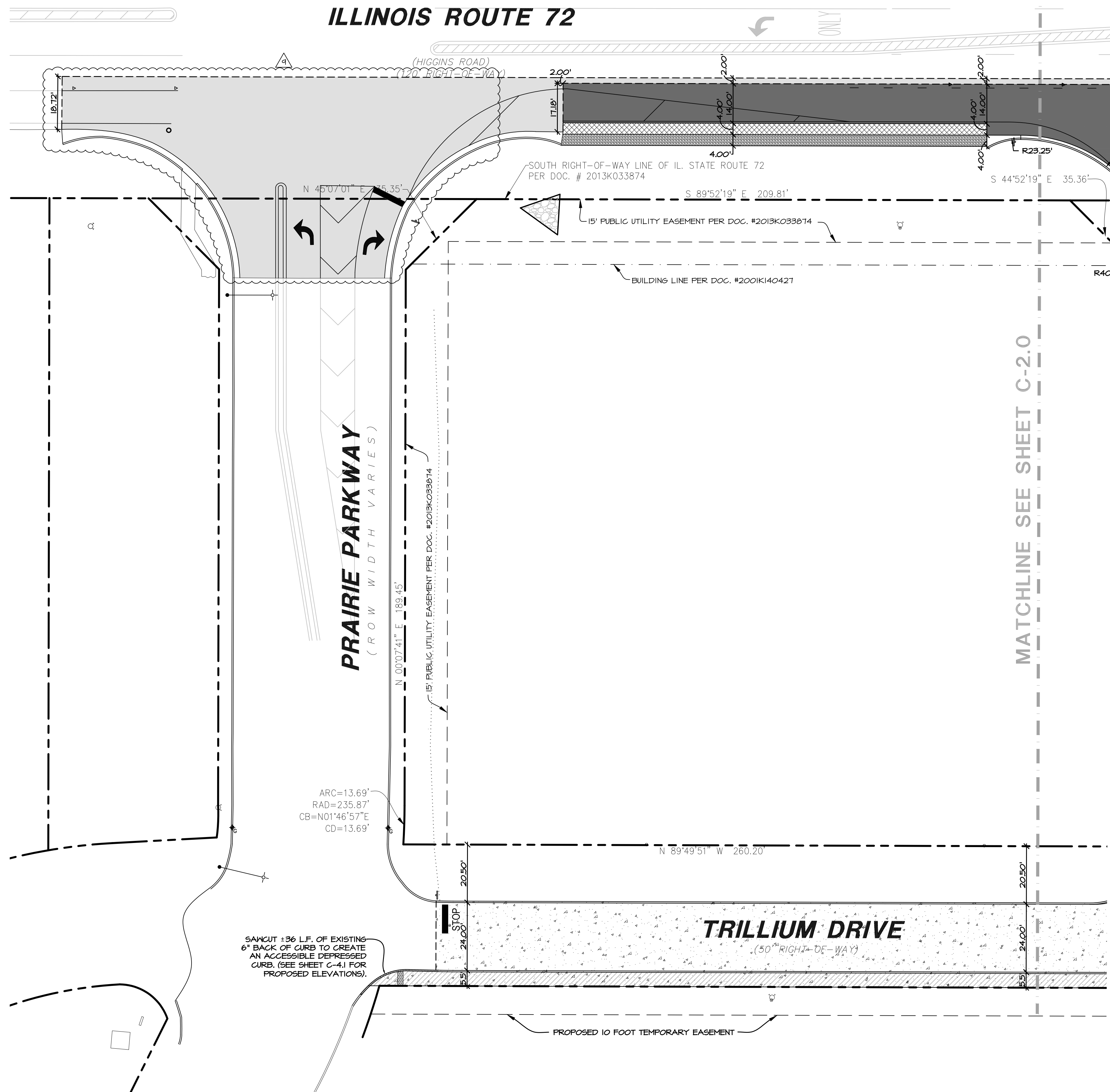
1" = 20'

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ILLINOIS ROUTE 72



SITE GEOMETRIC NOTES:

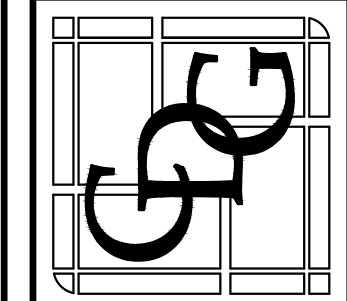
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- ALL DIMENSIONS SHOWN ARE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE (ARCHITECTURAL) PLANS.
- SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL BUILDING ENTRIES.
- CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- CONTRACTOR SHALL CONTACT JULLIE (911 OR 1-800-842-0123) AND/OR PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1045.02 OF THE IDOT STANDARD SPECIFICATIONS.
- SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
- ALL RADII ARE MEASURED FROM THE FACE OF THE CURB UNLESS NOTED OTHERWISE.
- ALL PROPOSED IMPROVEMENTS ARE PARALLEL AND PERPENDICULAR TO THE NORTH PROPERTY LINE.

HATCH LEGEND

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- NEW ASPHALT PAVEMENT (SEE "IL12 TYPICAL SECTION DETAIL" ON SHEET C-1.0)
- NEW HEAVY DUTY ASPHALT PAVEMENT (SEE "HEAVY DUTY ASPHALT PAVEMENT DETAIL" ON SHEET C-1.0)
- NEW CONCRETE SIDEWALK (SEE DETAIL ON SHEET C-1.0)
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- NEW 6" CONCRETE PAVEMENT (SEE DETAIL ON SHEET C-1.0)
- NEW DUCTILE CONCRETE PAVEMENT (SEE LARKSPUR & TRILLIUM DRIVE TYPICAL STREET SECTIONS ON SHEET C-1.0)
- NEW 5" DUCTILE CONCRETE SIDEWALK (SEE DETAIL ON SHEET C-1.0)
- NEW GRAVEL SHOULDER (SEE "IL12 TYPICAL SECTION DETAIL" ON SHEET C-1.0)
- NEW ASPHALT SHOULDER (SEE "IL12 TYPICAL SECTION DETAIL" ON SHEET C-1.0)

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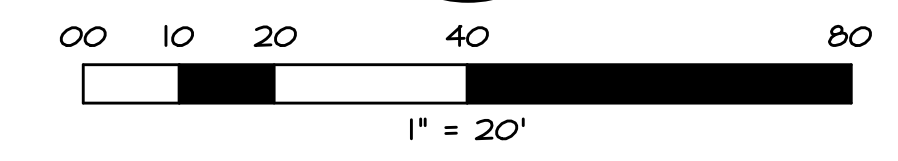
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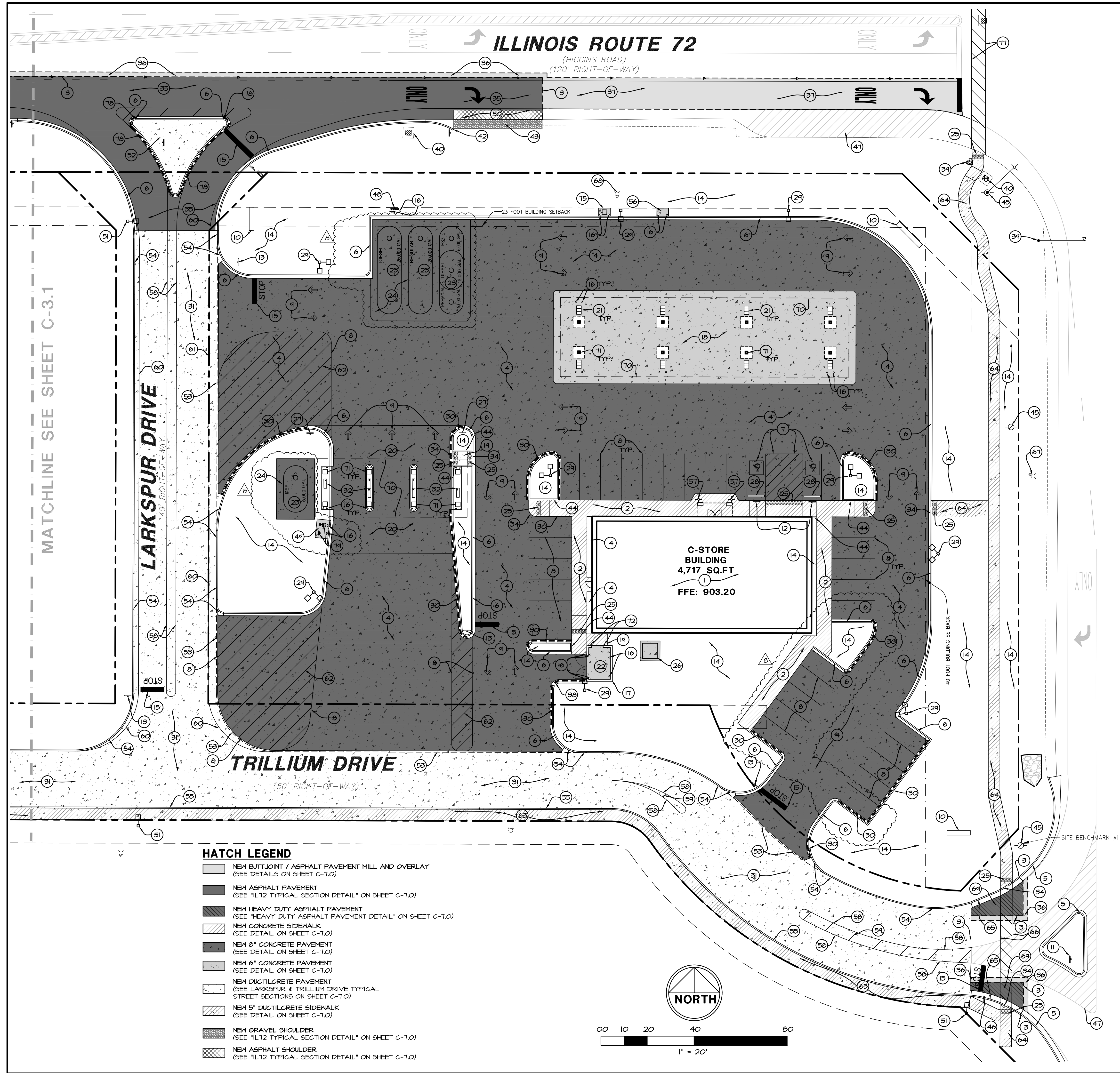


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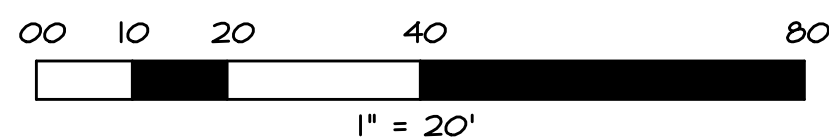
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HATCH LEGEND

- NEW BUTT JOINT / ASPHALT PAVEMENT MILL AND OVERLAY (SEE DETAILS ON SHEET C-1.0)
- NEW ASPHALT PAVEMENT (SEE "ILT2 TYPICAL SECTION DETAIL" ON SHEET C-1.0)
- NEW HEAVY DUTY ASPHALT PAVEMENT (SEE "HEAVY DUTY ASPHALT PAVEMENT DETAIL" ON SHEET C-1.0)
- NEW CONCRETE SIDEWALK (SEE DETAIL ON SHEET C-1.0)
- NEW 8" CONCRETE PAVEMENT (SEE DETAIL ON SHEET C-1.0)
- NEW 6" CONCRETE PAVEMENT (SEE DETAIL ON SHEET C-1.0)
- NEW DUCTILCRETE PAVEMENT (SEE LARKSPUR & TRILLIUM DRIVE TYPICAL STREET SECTIONS ON SHEET C-1.0)
- NEW 5" DUCTILCRETE SIDEWALK (SEE DETAIL ON SHEET C-1.0)
- NEW GRAVEL SHOULDER (SEE "ILT2 TYPICAL SECTION DETAIL" ON SHEET C-1.0)
- NEW ASPHALT SHOULDER (SEE "ILT2 TYPICAL SECTION DETAIL" ON SHEET C-1.0)



SITE DEVELOPMENT NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE 'BOUNDARY AND TOPOGRAPHIC' SURVEY LAST DATED 07-14-15, PREPARED BY M-T LAND SURVEYING. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- B. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS.
- C. SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL BUILDING ENTRIES.
- D. CONTRACTOR SHALL COORDINATE ALL LANDSCAPING IMPROVEMENTS WITH LANDSCAPE PLANS.
- E. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- F. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- G. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1045.02 OF THE IDOT STANDARD SPECIFICATIONS.
- H. CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL, SEED, AND EROSION CONTROL BLANKET.
- I. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC., RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- J. CONTRACTOR SHALL RE-STRIPE ALL STRIPING DISTURBED WITHIN THE EXISTING ROADWAYS/PARKING LOT TO MATCH EXISTING.
- K. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- L. ALL ITEMS MARKED "EXISTING" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
- N. SEE SHEET C-1.0 FOR NEW MARKINGS AND SIGNAGE WITHIN IL-T2 R.O.W.
- O. SEE LANDSCAPE PLANS FOR ALL NEW TREE AND LANDSCAPE AREAS.
- P. CROSSWALK STRIPING SHALL CONSIST OF 6" WIDE LINES WITH 12" WIDE DIAGONAL LINES SPACED 5'-0" APART. CROSSWALK STRIPING SHALL BE REFLECTORIZED THERMOPLASTIC (WHITE), CONFORMING TO ART. 1045.02 OF THE STANDARD SPECIFICATIONS.

PROJECT NOTES:

1. NEW C-STORE BUILDING TO BE CONSTRUCTED. (SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS).
2. NEW MONOLITHIC CURB AND SIDEWALK. (SEE DETAIL ON SHEET C-1.0).
3. NEW FULL DEPTH SAWCUT TO PROVIDE CLEAN CONSTRUCTION BREAK.
4. NEW 8" CONCRETE PAVEMENT. (SEE DETAIL ON SHEET C-1.0).
5. EXISTING CURB AND GUTTER TO REMAIN.
6. NEW B&I2 CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
7. NEW ACCESSIBLE PARKING SPACE STRIPING AND SYMBOL. (SEE DETAIL ON SHEET C-1.0).
8. NEW 4" YELLOW PAINTED STRIPING.
9. NEW TRAFFIC ARROW STRIPING (YELLOW COLOR). (SEE DETAIL ON SHEET C-1.0).
10. NEW GAS STATION ID SIGN. (SEE ARCHITECTURAL PLANS FOR DETAILS).
11. EXISTING SIGN TO REMAIN.
12. NEW ACCESSIBLE PARKING SIGN. (SEE DETAIL ON SHEET C-1.0).
13. NEW "STOP" SIGN.
14. NEW LANDSCAPE AREA. (SEE LANDSCAPE ARCHITECTURAL PLANS FOR DETAILS).
15. NEW 2" WIDE WHITE PAINTED STOP BAR WITH "STOP" LETTERING.
16. NEW 6" DIA. BOLLARD. (SEE ARCHITECTURAL PLANS FOR DETAILS).
17. NEW BRUSH ENCLOSURE. (SEE ARCHITECTURAL DRAWINGS FOR DETAILS).
18. NEW 6" CONCRETE CAR ISLAND SLAB.
19. NEW 5" CONCRETE SIDEWALK. (SEE DETAIL ON SHEET C-1.0).
20. NEW 8" CONCRETE TRUCK ISLAND SLAB.
21. NEW FUEL DISPENSER (TYP. OF 8). (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).
22. NEW 6" CONCRETE TRASH ENCLOSURE SLAB.
23. NEW FUEL TANKS. (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).
24. NEW 8" CONCRETE TANK SLAB.
25. NEW 2" DETECTABLE WARNING PANEL. (SEE DETAIL ON SHEET C-1.3).
26. NEW CONCRETE TRANSFORMER PAD. COORDINATE SIZE AND LOCATION WITH LOCAL UTILITY PROVIDER.
27. NEW "DO NOT ENTER" SIGN.
28. NEW PRECAST CONCRETE WHEEL STOP.
29. NEW LIGHT POLE LOCATION. COORDINATE WITH SITE ELECTRICAL PLANS.
30. NEW REVERSED PITCH B&I2 CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.0).
31. NEW 6" DUCTILCRETE PAVEMENT. (SEE DETAILS ON SHEET C-1.0).
32. NEW SEMI-TRUCK FUEL DISPENSER (TYP. OF 4). (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).
33. MODIFIED CURB. (SEE DEMOLITION PLAN SHEET C-1.1 FOR MORE INFORMATION).
34. NEW ACCESSIBLE DEPRESSED CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
35. NEW ROADWAY ASPHALT PAVEMENT. (SEE "ILT2 TYPICAL STREET SECTION" DETAIL ON SHEET C-1.0).
36. NEW 2 FOOT BUTT JOINT. (SEE DETAIL ON SHEET C-1.0).
37. NEW 1-1/2" MILL AND OVERLAY. (SEE DETAIL ON SHEET C-1.0).
38. NEW DEPRESSED CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
39. EXISTING TRAFFIC SIGNAL TO REMAIN.
40. EXISTING HANDHOLE TO REMAIN.
41. NOT USED.
42. NEW TAPERED CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
43. NEW GRAVEL SHOULDER. (SEE "ILT2 TYPICAL STREET SECTION" DETAIL ON SHEET C-1.0).
44. NEW 6" BARRIER CURB. (SEE DETAIL ON SHEET C-1.3).
45. EXISTING UTILITY POLE TO REMAIN. CONTRACTOR TO PROTECT DURING CONSTRUCTION.
46. REINSTALL STOP SIGN.
47. EXISTING STRIPING TO REMAIN.
48. NEW VENT STACK.
49. NEW 6" CONCRETE PAVEMENT. (SEE DETAIL ON SHEET C-1.0).
50. NEW ASPHALT SHOULDER. (SEE "ILT2 TYPICAL STREET SECTION" DETAIL ON SHEET C-1.0).
51. NEW VILLAGE STREET LIGHT. (SEE SITE ELECTRICAL PLANS FOR DETAILS).
52. NEW CONCRETE MEDIAN. (SEE DETAIL ON SHEET C-1.4).
53. NEW DEPRESSED DUCTILCRETE CURB. (SEE TYPICAL SECTIONS FOR LARKSPUR DRIVE AND TRILLIUM DRIVE ON SHEET C-1.0).
54. NEW DUCTILCRETE CURB. (SEE TYPICAL SECTIONS FOR LARKSPUR DRIVE AND TRILLIUM DRIVE ON SHEET C-1.0).
55. NEW DUCTILCRETE CURB WITH 3" HAUNCH FOR SIDEWALK. (SEE TYPICAL SECTION FOR TRILLIUM DRIVE ON SHEET C-1.0).
56. NEW 6" CONCRETE PAD FOR AIR EQUIPMENT. EQUIPMENT TO BE INSTALLED BY OWNER. (SEE DETAIL ON SHEET C-1.4).
57. NEW IN-GROUND LIGHT EQUIPMENT. (SEE ELECTRICAL PLANS FOR DETAILS).
58. NEW 8" SOLID WHITE LINE.
59. NEW 12" SOLID WHITE DIAGONALS @ 45 DEGREES AND 10' C-C.
60. NEW 4" SOLID WHITE EDGE LINE.
61. NEW 4" WHITE SKIP-DASH (2' LINE, 6' SKIP).
62. NEW 4" SOLID YELLOW DIAGONALS @ 45 DEGREES AND 5' C-C.
63. NEW 5" DUCTILCRETE SIDEWALK. (SEE "TRILLIUM DRIVE SIDEWALK" DETAIL ON SHEET C-1.0).
64. NEW 5" DUCTILCRETE SIDEWALK. (SEE DETAIL ON SHEET C-1.0).
65. NEW B&I2 CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
66. NEW CROSSWALK STRIPING. (SEE DEVELOPMENT PLAN NOTE P).
67. EXISTING HYDRANT TO REMAIN.
68. EXISTING HYDRANT TO BE ADJUSTED. (SEE UTILITY PLAN SHEET C-5.0 FOR MORE INFORMATION).
69. NEW HEAVY DUTY ASPHALT PAVEMENT. (SEE "HEAVY DUTY ASPHALT PAVEMENT" DETAIL ON SHEET C-1.0).
70. NEW CANOPY. (SEE ARCHITECTURAL PLANS FOR CANOPY INFORMATION AND DETAILS).
71. NEW CANOPY COLUMN. (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).
72. NEW 4" DIA CONCRETE BOLLARD. (SEE ARCHITECTURAL PLANS FOR DETAILS).
73. EXISTING CONCRETE TO REMAIN.
74. EXISTING CURB TO REMAIN.
75. NEW 6" CONCRETE PAD WITH 2'x2'x2' RAISED CONCRETE BLOCK IN THE MIDDLE FOR VACUUM EQUIPMENT. EQUIPMENT TO BE INSTALLED BY OWNER. (SEE DETAIL ON SHEET C-1.4).
76. NOT USED.
77. NEW CROSSWALK STRIPING. (NOT IN CONTRACT).
78. NEW M2.12 CURB AND REVERSE PITCH GUTTER.
79. NEW RECYCLE FILL FOR DEF. (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).

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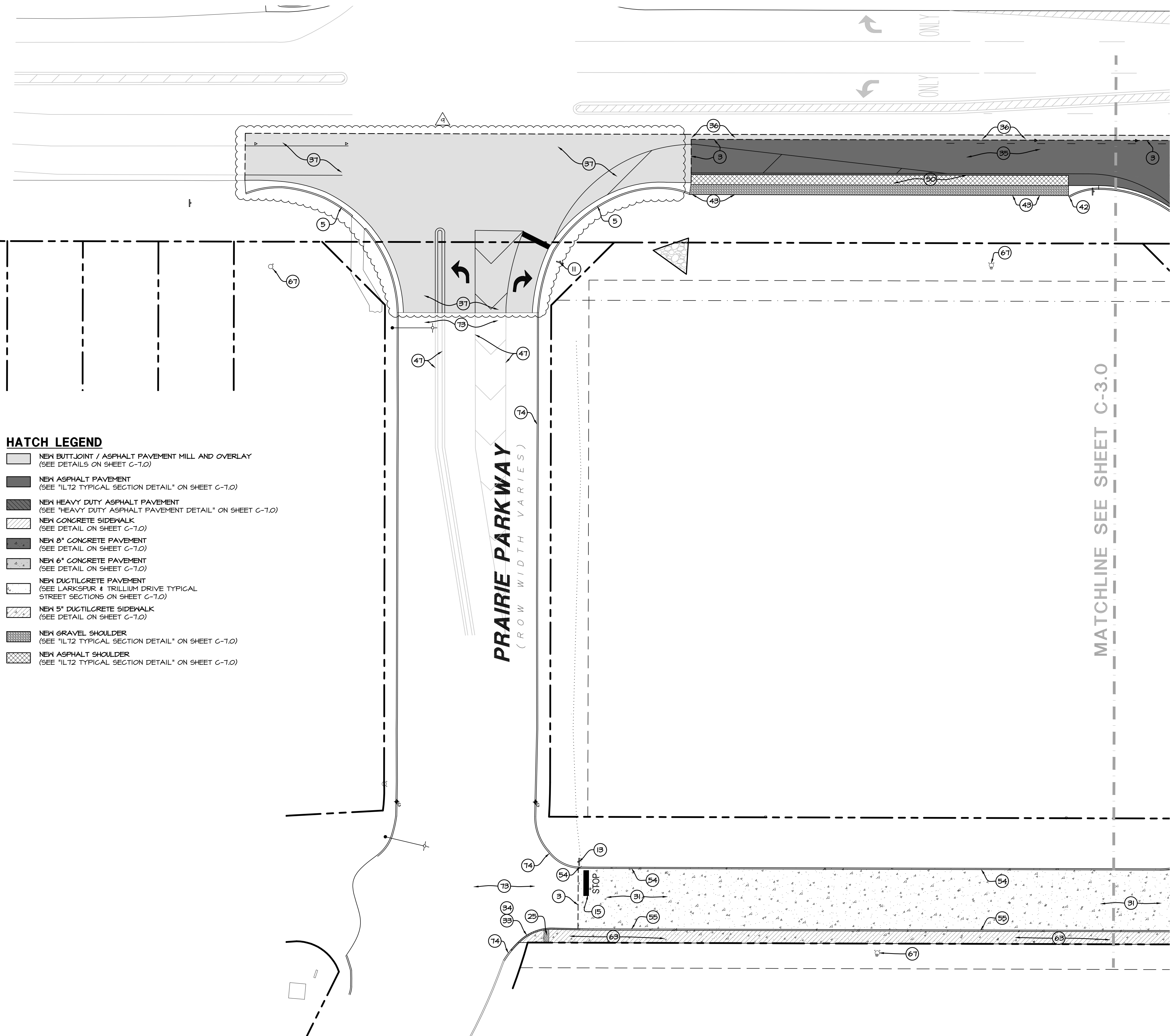
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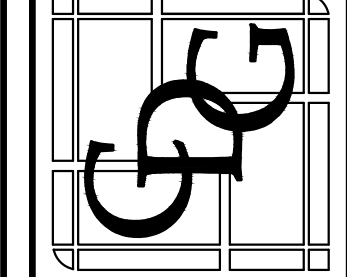
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- N. SEE SHEET C-1.0 FOR NEW MARKINGS AND SIGNAGE WITHIN IL-T2 R.O.W.
- O. SEE LANDSCAPE PLANS FOR ALL NEW TREE AND LANDSCAPE AREAS.
- P. CROSSWALK STRIPING SHALL CONSIST OF 6" WIDE LINES WITH 12" WIDE DIAGONAL LINES SPACED 9'-0" APART. CROSSWALK STRIPING SHALL BE REFLECTORIZED THERMOPLASTIC (WHITE), CONFORMING TO ART. 1045.02 OF THE STANDARD SPECIFICATIONS.

PROJECT NOTES:

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5. EXISTING CURB AND GUTTER TO REMAIN.
6. NEW B6.12 CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
7. NEW ACCESSIBLE PARKING SPACE STRIPING AND SYMBOL. (SEE DETAIL ON SHEET C-1.0).
8. NEW 4" YELLOW PAINTED STRIPING.
9. NEW TRAFFIC ARROW STRIPING (YELLOW COLOR). (SEE DETAIL ON SHEET C-11.0).
10. NEW GAS STATION ID SIGN. (SEE ARCHITECTURAL PLANS FOR DETAILS).
11. EXISTING SIGN TO REMAIN.
12. NEW ACCESSIBLE PARKING SIGN. (SEE DETAIL ON SHEET C-1.0).
13. NEW "STOP" SIGN.
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19. NEW 5" CONCRETE SIDEWALK. (SEE DETAIL ON SHEET C-1.0).
20. NEW 8" CONCRETE TRUCK ISLAND SLAB.
21. NEW FUEL DISPENSER (TYP. OF 8). (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).
22. NEW 6" CONCRETE TRASH ENCLOSURE SLAB.
23. NEW FUEL TANKS. (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).
24. NEW 8" CONCRETE TANK SLAB.
25. NEW 2" DETECTABLE WARNING PANEL. (SEE DETAIL ON SHEET C-1.3).
26. NEW CONCRETE TRANSFORMER PAD. COORDINATE SIZE AND LOCATION WITH LOCAL UTILITY PROVIDER.
27. NEW "DO NOT ENTER" SIGN.
28. NEW PRECAST CONCRETE WHEEL STOP.
29. NEW LIGHT POLE LOCATION. COORDINATE WITH SITE ELECTRICAL PLANS.
30. NEW REVERSED PITCH B6.12 CURB AND GUTTER.
31. NEW 6" DUCTILCRETE PAVEMENT. (SEE DETAILS ON SHEET C-1.0).
32. NEW SEMI-TRUCK FUEL DISPENSER (TYP. OF 4). (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).
33. MODIFIED CURB. (SEE DEMOLITION PLAN SHEET C-1.1 FOR MORE INFORMATION).
34. NEW ACCESSIBLE DEPRESSED CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
35. NEW ROADWAY ASPHALT PAVEMENT. (SEE "ILT2 TYPICAL STREET SECTION" DETAIL ON SHEET C-1.0).
36. NEW 2 FOOT BUTT JOINT. (SEE DETAIL ON SHEET C-1.0).
37. NEW 1-1/2" MILL AND OVERLAY. (SEE DETAIL ON SHEET C-1.0).
38. NEW DEPRESSED CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
39. EXISTING TRAFFIC SIGNAL TO REMAIN.
40. EXISTING HANDHOLE TO REMAIN.
41. NOT USED.
42. NEW TAPERED CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
43. NEW GRAVEL SHOULDER. (SEE "ILT2 TYPICAL STREET SECTION" DETAIL ON SHEET C-1.0).
44. NEW 6" BARRIER CURB. (SEE DETAIL ON SHEET C-1.3).
45. EXISTING UTILITY POLE TO REMAIN. CONTRACTOR TO PROTECT DURING CONSTRUCTION.
46. REINSTALL STOP SIGN.
47. EXISTING STRIPING TO REMAIN.
48. NEW VENT STACK.
49. NEW 6" CONCRETE PAVEMENT. (SEE DETAIL ON SHEET C-1.0).
50. NEW ASPHALT SHOULDER. (SEE "ILT2 TYPICAL STREET SECTION" DETAIL ON SHEET C-1.0).
51. NEW VILLAGE STREET LIGHT. (SEE SITE ELECTRICAL PLANS FOR DETAILS).
52. NEW CONCRETE MEDIAN. (SEE DETAIL ON SHEET C-1.4).
53. NEW DEPRESSED DUCTILCRETE CURB. (SEE TYPICAL SECTIONS FOR LARKSPUR DRIVE AND TRILLIUM DRIVE ON SHEET C-1.0).
54. NEW DUCTILCRETE CURB. (SEE TYPICAL SECTIONS FOR LARKSPUR DRIVE AND TRILLIUM DRIVE ON SHEET C-1.0).
55. NEW DUCTILCRETE CURB WITH 3" HAUNCH FOR SIDEWALK. (SEE TYPICAL SECTION FOR TRILLIUM DRIVE ON SHEET C-1.0).
56. NEW 6" CONCRETE PAD FOR AIR EQUIPMENT. EQUIPMENT TO BE INSTALLED BY OWNER. (SEE DETAIL ON SHEET C-1.4).
57. NEW IN-GROUND LIGHT EQUIPMENT. (SEE ELECTRICAL PLANS FOR DETAILS).
58. NEW 8" SOLID WHITE LINE.
59. NEW 12" SOLID WHITE DIAGONALS @ 45 DEGREES AND 10' C-C.
60. NEW 4" SOLID WHITE EDGE LINE.
61. NEW 4" WHITE SKIP-DASH (2' LINE, 6' SKIP).
62. NEW 4" SOLID YELLOW DIAGONALS @ 45 DEGREES AND 5' C-C.
63. NEW 5" DUCTILCRETE SIDEWALK. (SEE "TRILLIUM DRIVE SIDEWALK" DETAIL ON SHEET C-1.0).
64. NEW 5" DUCTILCRETE SIDEWALK. (SEE DETAIL ON SHEET C-1.0).
65. NEW B6.24 CURB AND GUTTER. (SEE DETAIL ON SHEET C-1.3).
66. NEW CROSSWALK STRIPING. (SEE DEVELOPMENT PLAN NOTE P).
67. EXISTING HYDRANT TO REMAIN.
68. EXISTING HYDRANT TO BE ADJUSTED. (SEE UTILITY PLAN SHEET C-5.0 FOR MORE INFORMATION).
69. NEW HEAVY DUTY ASPHALT PAVEMENT. (SEE "HEAVY DUTY ASPHALT PAVEMENT" DETAIL ON SHEET C-1.0).
70. NEW CANOPY. (SEE ARCHITECTURAL PLANS FOR CANOPY INFORMATION AND DETAILS).
71. NEW CANOPY COLUMN. (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).
72. NEW 4" DIA CONCRETE BOLLARD. (SEE ARCHITECTURAL PLANS FOR DETAILS).
73. EXISTING CONCRETE TO REMAIN.
74. EXISTING CURB TO REMAIN.
75. NEW 6" CONCRETE PAD WITH 2'x2'x2" RAISED CONCRETE BLOCK IN THE MIDDLE FOR VACUUM EQUIPMENT. EQUIPMENT TO BE INSTALLED BY OWNER. (SEE DETAIL ON SHEET C-1.4).
76. NOT USED.
77. NEW CROSSWALK STRIPING. (NOT IN CONTRACT).
78. NEW M2.12 CURB AND REVERSE PITCH GUTTER.
79. NEW REBOTE FILL FOR DEP. (SEE ARCHITECTURAL PLANS FOR INFORMATION AND DETAILS).

NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
6	PER DOT'S COMMENTS	8-18-2016	CMS
7	PER VILLAGE COMMENTS	11-14-2016	CMS
8	PER OWNER COMMENTS	04-07-2017	CMS
9	PER IDOT COMMENTS	05-24-2017	CMS

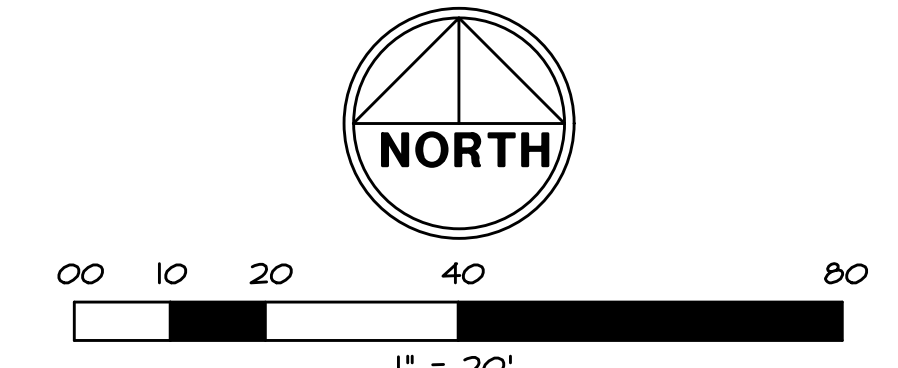
CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
 2675 PRATUM AVENUE
 HOFFMAN ESTATES, ILLINOIS 60192
 WWW.WTCIVIL.COM
 TEL: (224) 293-6333 FAX: (224) 293-6444
 IL PROFESSIONAL ENGINEER REG. NO. 184-00013



GLOGOVSKY OIL COMPANY
 C-STORE
 SWC TYRRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

SITE DEVELOPMENT PLAN

START DATE: 12-17-15
 SCALE: AS SHOWN
 DRAWN: CMS
 CHECK: JEG
 JOB: CE15072
 SHEET: C-3.1



W-T CIVIL ENGINEERING, LLC.
 CIVIL AND STRUCTURAL ENGINEERS
 2675 Pratum Avenue
 Hoffman Estates, Illinois 60192
 PH: (224) 293-6333 FAX: (224) 293-6444
 www.wtcivileng.com
 IL License No.: 184.007570-0015 Exp: 04/30/19

RECORD DRAWING 01/18/22

LEGEND: XXX.XX = AS-BUILT GRADE

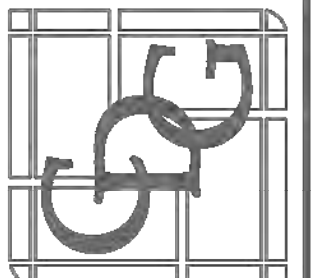
AS-BUILT CONDITIONS SHOWN HEREON
 PREPARED BY: *Frigolet Mat*
 WT GROUP LLC
 2675 PRATUM AVENUE
 HOFFMAN ESTATES, ILLINOIS 60192
 PH. 224-293-6333
 WT GROUP JOB #: S2200006

SITE GRADING NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE 'BOUNDARY AND TOPOGRAPHIC' SURVEY LAST DATED 07-14-15, PREPARED BY H-T LAND SURVEYING. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- B. ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, I.E. TOP OF PROPOSED ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT THICKNESS.
- C. CONTRACTOR SHALL CONTACT JULLIE (811 OR 1-800-842-0125) AND/OR PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- D. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS, FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- E. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- F. CONTRACTOR TO 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 TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- G. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- H. ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%.
- I. Voids LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24' THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- J. ALL FIRE ACCESS LINES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
- K. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- L. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
- M. ALL EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED FROM THE SITE AND LEGALLY DISPOSED OF.
- N. CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LFC-662 AND/OR LFC-665 FORMS AS PART OF THEIR CONTRACT.

NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
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 WWW.WTENGINEERING.COM
 ILL. PROFESSIONAL ENGINEER REG. NO. 184-000173



GLOGOVSKY OIL COMPANY
 C-STORE
 SWC TYRRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

SITE GRADING PLAN

START DATE: 12-17-15
 SCALE: AS SHOWN
 DRAWN: CMS
 CHECK: JEG
 JOB: CE15072
 SHEET: **C-4.0**

GRADING LEGEND

- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED RIDGE LINE
- REVERSE PITCH CURB AND GUTTER
- DEPRESSED CURB AND GUTTER
- OVERLAND FLOW ARROW
- 100 YEAR OVERLAND FLOW ROUTE
- EXISTING CLOSED MANHOLE
- EXISTING OPEN GRATE MANHOLE
- BEEHIVE GRATE MANHOLE
- EXISTING INLET
- PROPOSED FLARED END SECTION
- FINISHED FLOOR ELEVATION
- TOP OF CURB ELEVATION
- CURB FLOWLINE ELEVATION
- TOP OF PAVEMENT ELEVATION
- FINISHED GRADE ELEVATION
- MATCH EXISTING ELEVATION
- TOP OF SIDEWALK
- ADJUST EXISTING RIM ELEVATION
- INTERPOLATED ELEVATION
- EXISTING CLEAN OUT
- PROPOSED CLEAN OUT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE AND VAULT
- EXISTING B-BOX
- PROPOSED RIM ELEVATION
- PROPOSED MANHOLE/CATCH BASIN
- PROPOSED INLET ELEVATION
- PROPOSED RIM ELEVATION
- PROPOSED SIAMESE / STORZ CONNECTION

LEGEND

- NEW CONCRETE PAVEMENT
- NEW CONCRETE PAVEMENT

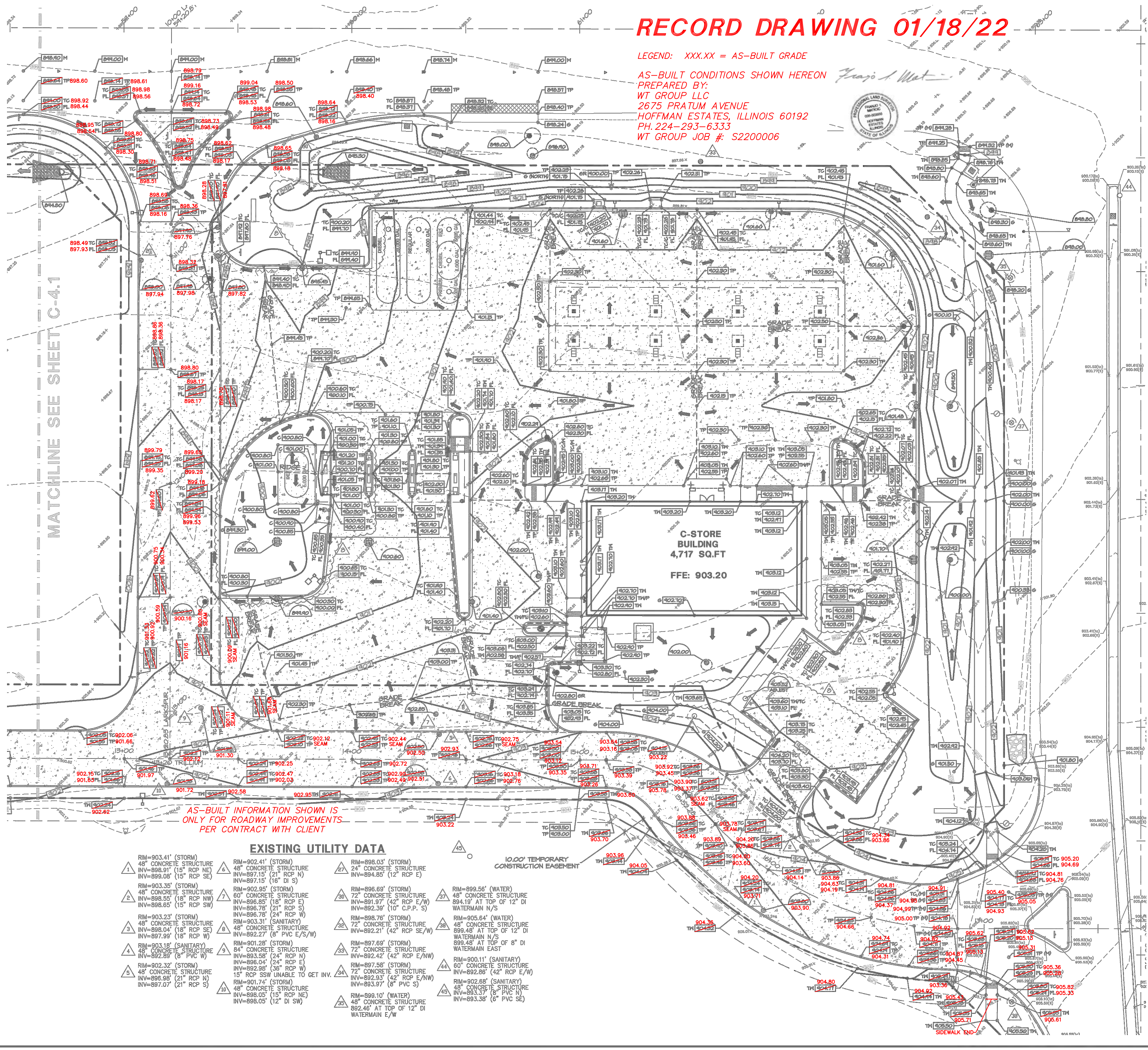


00 10 20 40 80
 1" = 20'



W-T CIVIL ENGINEERING, LLC.
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 ILL. License No. 184.007570-0015 Exp: 04/30/19

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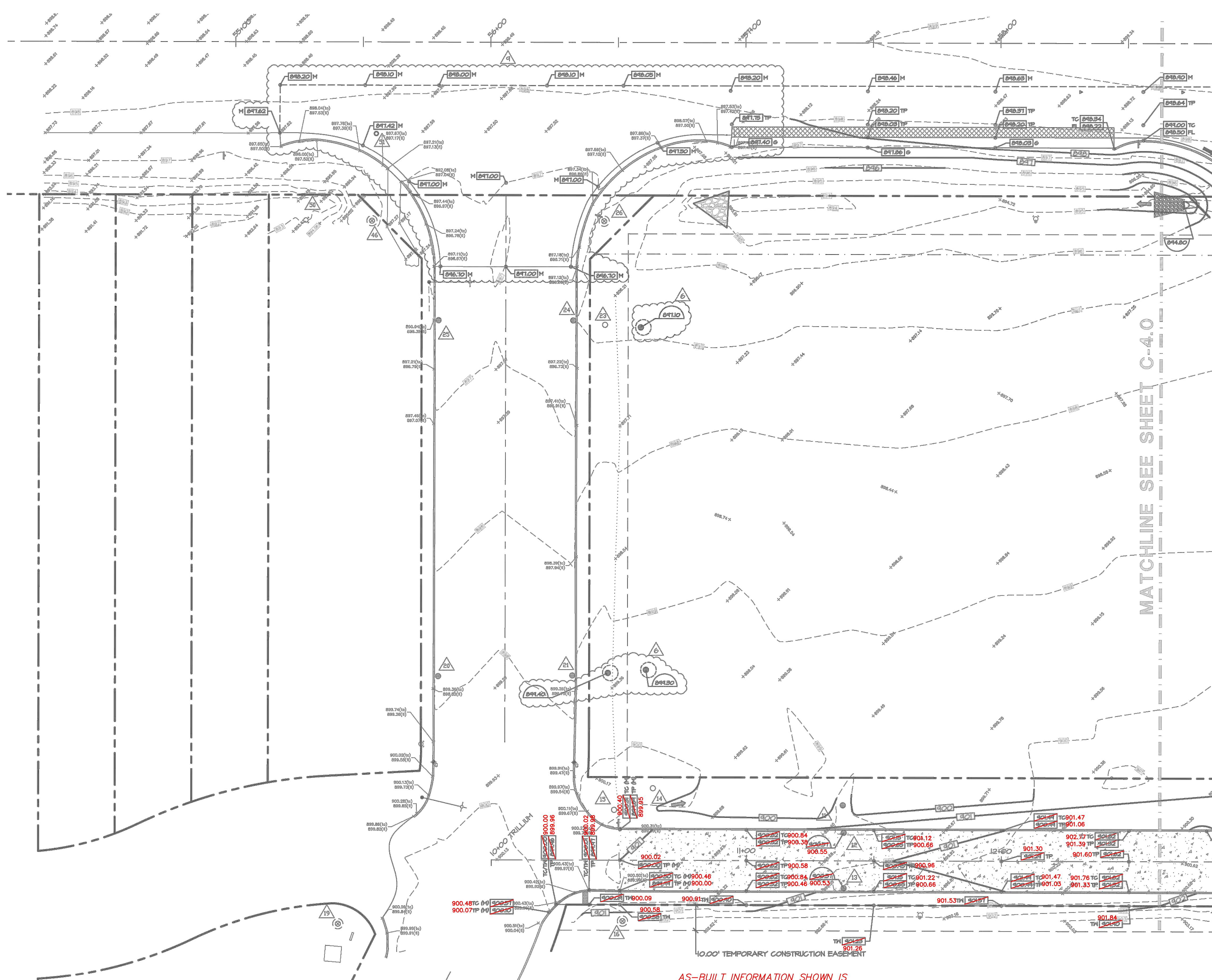
AS-BUILT INFORMATION SHOWN IS ONLY FOR ROADWAY IMPROVEMENTS PER CONTRACT WITH CLIENT

EXISTING UTILITY DATA

- | | | |
|---|--|---|
| 1 RIM=903.41' (STORM)
48" CONCRETE STRUCTURE
INV=898.91' (15" RCP NE)
INV=899.05' (15" RCP SE) | 6 RIM=902.41' (STORM)
48" CONCRETE STRUCTURE
INV=897.15' (21" RCP N)
INV=897.15' (16" DI S) | 27 RIM=898.03' (STORM)
24" CONCRETE STRUCTURE
INV=894.85' (12" RCP E) |
| 2 RIM=903.35' (STORM)
48" CONCRETE STRUCTURE
INV=898.55' (18" RCP NW)
INV=898.65' (15" RCP SW) | 7 RIM=902.95' (STORM)
60" CONCRETE STRUCTURE
INV=896.65' (18" RCP E)
INV=896.78' (21" RCP S)
INV=896.78' (24" RCP W) | 30 RIM=896.69' (STORM)
72" CONCRETE STRUCTURE
INV=891.97' (42" RCP E/W)
INV=892.39' (10" C.P.P. S) |
| 3 RIM=903.23' (STORM)
48" CONCRETE STRUCTURE
INV=898.04' (18" RCP SE)
INV=897.99' (18" RCP W) | 8 RIM=903.31' (SANITARY)
48" CONCRETE STRUCTURE
INV=892.77' (6" PVC E/S/W) | 32 RIM=898.78' (STORM)
72" CONCRETE STRUCTURE
INV=892.21' (42" RCP SE/W) |
| 4 RIM=903.15' (SANITARY)
48" CONCRETE STRUCTURE
INV=892.89' (8" PVC W) | 9 RIM=901.28' (STORM)
84" CONCRETE STRUCTURE
INV=893.58' (24" RCP N)
INV=892.28' (36" RCP W)
15" RCP SW UNABLE TO GET INV. | 33 RIM=897.69' (STORM)
72" CONCRETE STRUCTURE
INV=892.42' (42" RCP E/NW) |
| 5 RIM=902.32' (STORM)
48" CONCRETE STRUCTURE
INV=895.95' (21" RCP NE)
INV=897.07' (21" RCP S) | 10 RIM=902.32' (STORM)
48" CONCRETE STRUCTURE
INV=895.05' (15" RCP NE)
INV=898.05' (12" DI SW) | 34 RIM=897.58' (STORM)
72" CONCRETE STRUCTURE
INV=892.33' (42" RCP E/W)
INV=893.97' (8" PVC S) |
| | | 35 RIM=899.10' (WATER)
48" CONCRETE STRUCTURE
INV=892.46' AT TOP OF 12" DI WATERMAIN E/W |

100.0' TEMPORARY CONSTRUCTION EASEMENT

MATCHLINE SEE SHEET C-4.1



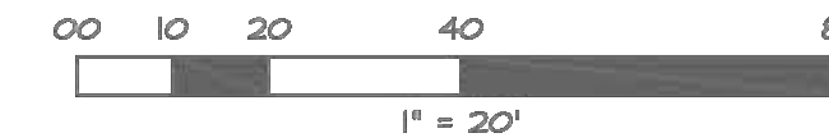
- SITE GRADING NOTES:**
- EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE 'BOUNDARY AND TOPOGRAPHIC' SURVEY LAST DATED 07-14-15, PREPARED BY W-T LAND SURVEYING. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, I.E. TOP OF PROPOSED ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT THICKNESS.
 - CONTRACTOR SHALL CONTACT J.U.L.I.E. (811 OR 1-800-842-0125) AND/OR PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
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 - ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%.
 - VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
 - ALL FIRE ACCESS LINES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
 - CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
 - ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
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 - CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LFC-662 AND/OR LFC-668 FORMS AS PART OF THEIR CONTRACT.

GRADING LEGEND

- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED RIDGE LINE
- REVERSE PITCH CURB AND GUTTER
- DEPRESSED CURB AND GUTTER
- OVERLAND FLOW ARROW
- 100 YEAR OVERLAND FLOW ROUTE
- EXISTING CLOSED MANHOLE
- EXISTING OPEN GRATE MANHOLE
- BEEHIVE GRATE MANHOLE
- EXISTING INLET
- PROPOSED FLARED END SECTION
- FINISHED FLOOR ELEVATION
- TOP OF CURB ELEVATION
- CURB FLOWLINE ELEVATION
- TOP OF PAVEMENT ELEVATION
- FINISHED GRADE ELEVATION
- MATCH EXISTING ELEVATION
- TOP OF SIDEWALK
- ADJUST EXISTING RIM ELEVATION
- INTERPOLATED ELEVATION
- EXISTING CLEAN OUT
- PROPOSED CLEAN OUT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE AND VAULT
- EXISTING B-BOX
- PROPOSED RIM ELEVATION
- PROPOSED MANHOLE/CATCH BASIN
- PROPOSED INLET ELEVATION
- PROPOSED RIM ELEVATION
- PROPOSED SIAMESE / STORZ CONNECTION

LEGEND

- NEW CONCRETE PAVEMENT



AS-BUILT INFORMATION SHOWN IS ONLY FOR ROADWAY IMPROVEMENTS PER CONTRACT WITH CLIENT

EXISTING UTILITY DATA

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> 15 RIM=900.28' (STORM)
72" CONCRETE STRUCTURE
INV=893.18' (36" RCP E) 16 RIM=900.34' (STORM)
48" CONCRETE STRUCTURE
INV=896.40' (15" RCP N) 18 RIM=900.32' (STORM)
48" CONCRETE STRUCTURE
INV=896.87' (15" RCP N) 14 RIM=900.50' (SANITARY)
48" CONCRETE STRUCTURE
INV=890.79' (10" PVC SW) | <ul style="list-style-type: none"> 25 RIM=900.51' (STORM)
72" CONCRETE STRUCTURE
INV=892.89' (21" RCP N) 16 RIM=901.82' (WATER)
48" CONCRETE STRUCTURE
895.17' AT TOP OF 8" DI WATERMAIN E/W 21 RIM=898.58' (STORM)
48" CONCRETE STRUCTURE
INV=894.17' (15" RCP E) | <ul style="list-style-type: none"> 23 RIM=896.86' (STORM)
48" CONCRETE STRUCTURE
INV=893.12' (21" RCP S) 24 RIM=896.48' (STORM)
48" CONCRETE STRUCTURE
INV=893.17' (15" RCP E) 26 RIM=896.72' (WATER)
48" CONCRETE STRUCTURE
891.06' AT TOP OF 12" DI WATERMAIN E/W |
|--|---|--|

RECORD DRAWING 01/18/22

LEGEND: XXX.XX = AS-BUILT GRADE
 AS-BUILT CONDITIONS SHOWN HEREON
 PREPARED BY:
 WT GROUP LLC
 2675 PRATUM AVENUE
 HOFFMAN ESTATES, ILLINOIS 60192
 PH. 224-293-6333
 WT GROUP JOB #: S2200006

Frans J. Mat...



WT
W-T CIVIL ENGINEERING, LLC.
 CIVIL AND STRUCTURAL ENGINEERS
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 Hoffman Estates, Illinois 60192
 PH: (224) 293-6333 FAX: (224) 293-6444
 www.wtengr.com
 IL License No.: 184.007570-0015 Exp: 04/30/19

DATE	4-06-2016	ALC	
REVISIONS	4	PER IN HOUSE COMMENTS	7-12-2016
	5	ISSUED FOR CONSTRUCTION	8-18-2016
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	8	PER OWNER COMMENTS	06-24-2017
	9	PER IDOT COMMENTS	

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 PH: 224.293.6333
 IL PROFESSIONAL ENGINEER REG. NO. 184-001519

GLOGOVSKY OIL COMPANY
 C-STORE
 SWC TYRRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

SITE GRADING PLAN

START DATE: 12-17-16
 SCALE: AS SHOWN
 DRAWN: CMS
 CHECK: JEG
 JOB: CE15072
 SHEET: **C-4.1**

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RECORD DRAWING 01/18/22

LEGEND: XXX.XX = AS-BUILT GRADE

AS-BUILT CONDITIONS SHOWN HEREON
 PREPARED BY:
 WT GROUP LLC
 2675 PRATUM AVENUE
 HOFFMAN ESTATES, ILLINOIS 60192
 PH. 224-293-6333
 WT GROUP JOB #: S2200006

ILLINOIS ROUTE 72

(HIGGINS ROAD)
 (120' RIGHT-OF-WAY)

MATCHLINE SEE SHEET C-5.1

LARKSPUR DRIVE
 40' RIGHT-OF-WAY

TYRRELL ROAD
 ONLY

TRILLIUM DRIVE

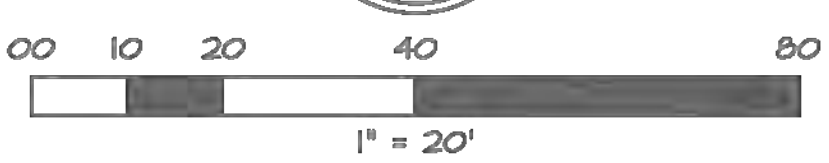
(50' RIGHT-OF-WAY)

AS-BUILT INFORMATION SHOWN IS
 ONLY FOR ROADWAY IMPROVEMENTS
 PER CONTRACT WITH CLIENT

EXISTING UTILITY DATA

1. RM=903.41' (STORM) 48" CONCRETE STRUCTURE INV=898.91' (15" RCP NE) INV=899.08' (15" RCP SE)	6. RM=902.41' (STORM) 48" CONCRETE STRUCTURE INV=897.15' (21" RCP E) INV=897.15' (16" DI S)	11. RM=903.35' (STORM) 48" CONCRETE STRUCTURE INV=898.55' (18" RCP NW) INV=898.65' (15" RCP SW)	16. RM=902.95' (STORM) 60" CONCRETE STRUCTURE INV=898.85' (18" RCP E) INV=898.78' (24" RCP W)	21. RM=903.23' (STORM) 48" CONCRETE STRUCTURE INV=898.04' (18" RCP SE) INV=897.95' (18" RCP W)	26. RM=902.27' (6" PVC E/S/W) 72" CONCRETE STRUCTURE INV=892.27' (6" PVC E/S/W)	31. RM=903.18' (SANITARY) 48" CONCRETE STRUCTURE INV=892.89' (8" PVC W)	36. RM=901.28' (STORM) 72" CONCRETE STRUCTURE INV=893.58' (24" RCP N) INV=892.38' (33" RCP S)	41. RM=902.32' (STORM) 48" CONCRETE STRUCTURE INV=898.98' (18" RCP NE) INV=899.07' (21" RCP SE)	46. RM=902.85' (STORM) 72" CONCRETE STRUCTURE INV=892.42' (42" RCP E/W) INV=892.42' (42" RCP SE/W)	51. RM=901.74' (STORM) 48" CONCRETE STRUCTURE INV=898.05' (18" RCP NE) INV=898.05' (12" DI SW)	56. RM=898.03' (STORM) 24" CONCRETE STRUCTURE INV=894.85' (10" C.P.P. S)	61. RM=898.69' (STORM) 72" CONCRETE STRUCTURE INV=891.97' (42" RCP E/W) INV=892.39' (10" C.P.P. S)	66. RM=898.75' (STORM) 48" CONCRETE STRUCTURE INV=892.21' (42" RCP SE/W)	71. RM=897.85' (STORM) 72" CONCRETE STRUCTURE INV=892.42' (42" RCP E/W) INV=892.42' (42" RCP SE/W)	76. RM=900.11' (SANITARY) 48" CONCRETE STRUCTURE INV=892.86' (42" RCP E/W)	81. RM=899.56' (WATER) 48" CONCRETE STRUCTURE 894.18' AT TOP OF 12" DI WATERMAIN N/S	86. RM=905.64' (WATER) 48" CONCRETE STRUCTURE 899.48' AT TOP OF 12" DI WATERMAIN N/S	91. RM=900.11' (SANITARY) 48" CONCRETE STRUCTURE INV=892.86' (42" RCP E/W)	96. RM=902.68' (SANITARY) 48" CONCRETE STRUCTURE INV=893.37' (6" PVC N)	101. RM=899.10' (WATER) 48" CONCRETE STRUCTURE 892.48' AT TOP OF 12" DI WATERMAIN E/W
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10.00' TEMPORARY CONSTRUCTION EASEMENT



- #### STORM SEWER
- CONNECT TO EXISTING STORM SEWER.
 - NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-T12 FR & GR.
 - NEW 18" RCP, 55 L.F. @ 1.25% SLOPE.
 - NEW STORM-WATER TREATMENT UNIT STC 900-1 W/ NEBAH R-2504-D FR & GR. (SEE DETAIL ON SHEET C-12).
 - NEW 12" RCP, 25 L.F. @ 3.98% SLOPE.
 - NEW 24" DIA. PRECAST CONCRETE INLET W/ NEBAH R-2504-D FR & GR.
 - NEW 24" DIA. PRECAST CONCRETE INLET W/ NEBAH R-T12 FR & GR.
 - NEW 18" RCP, 27 L.F. @ 0.84% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-2504-D FR & GR.
 - NEW 18" RCP, 50 L.F. @ 0.50% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEBAH R-2504-D FR & GR.
 - NEW 18" RCP, 162 L.F. @ 0.52% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-2504-D FR & GR.
 - NEW 12" RCP, 36 L.F. @ 0.97% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEBAH R-T12 FR & GR.
 - NEW 12" RCP, 52 L.F. @ 0.83% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-2504-D FR & GR.
 - NEW 12" RCP, 36 L.F. @ 0.54% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEBAH R-2504-D FR & GR.
 - NEW 12" RCP, 11 L.F. @ 0.54% SLOPE.
 - NEW 24" DIA. INLET W/ NEBAH R-2504-D FR & GR.
 - NEW 6" PVC SDR 26, TOTAL 161 L.F. @ MIN 1.00% SLOPE, WITH ALL FITTINGS REQUIRED.
 - NEW CANOPY DOWNPOUTS CONNECTIONS WITH ALL NECESSARY FITTINGS, COORDINATE EXACT LOCATION AND CONNECTION DETAILS WITH ARCHITECTURAL CANOPY DRAININGS (TOTAL 12).
 - NEW 12" RCP, 11 L.F. @ 0.54% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH FLAT SLAB TOP W/ NEBAH R-2504-D FR & GR.
 - NEW 12" RCP, 67 L.F. @ 0.78% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH FLAT SLAB TOP W/ NEBAH R-2504-D FR & GR.
 - NEW 12" RCP, 11 L.F. @ 0.54% SLOPE.
 - NEW 24" DIA. PRECAST CONCRETE CATCH BASIN W/ NEBAH R-2504-D FR & GR.
 - CONNECT TO EXISTING STORM SEWER.
 - NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-T12 FR & GR.
 - NEW 12" RCP, 31 L.F. @ 0.68% SLOPE, 1.68% SLOPE.
 - REINSTALL EXISTING 24" DIA. CONCRETE STRUCTURE. INSTALL NEBAH R-3070 CURB INLET FRAME, GRATE, AND CURB BOX.
 - NEW 18" RCP, 12 L.F. @ 1.67% SLOPE, 5.67% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEBAH R-3448-C FR & GR.
 - NEW 12" RCP, 57 L.F. @ 1.22% SLOPE.
 - NEW STORM-WATER TREATMENT UNIT STC 450-1 W/ NEBAH R-2504-D FR & GR. (SEE DETAIL ON SHEET C-11).
 - EXISTING MANHOLE TO REMAIN. ADJUST RIM, CORE DRILL AND BOOT AND CONNECT NEW STORM SEWER TO EXISTING MANHOLE.
 - NEW 12" RCP, 24 L.F. @ 1.00% SLOPE.
 - NEW 24" DIA. CATCH BASIN W/ NEBAH R-2504-D FR & GR.
 - NEW 6" PVC SDR 26, 22 L.F. @ 1.00% SLOPE.
 - CONNECT TO 6" BUILDING SERVICE @ INV=894.20. (SEE PLUMBING PLANS FOR CONTINUATION).
 - NOT USED.
 - NEW 14" x 23" FES. WITH GRATE.
 - NEW 14" x 23" RCP, 16 L.F. @ 0.43% SLOPE.
 - NEW 14" x 23" FES. WITH GRATE.
 - CONNECT TO EXISTING STORM SEWER.
 - NEW 12" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-T12 FR & GR.
 - NEW 12" RCP, 9 L.F. @ 2.50% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEBAH R-4842 FR & GR.
 - NEW 24" DIA. PRECAST CONCRETE CATCH BASIN W/ NEBAH R-4842 FR & GR.
 - NEW 12" RCP, 20 L.F. @ 1.00% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-T12 FR & GR.
 - CONNECT TO EXISTING STORM SEWER.
 - NOT USED.
 - EXISTING STORM SEWER TO REMAIN.
 - EXISTING MANHOLE TO REMAIN.
 - EXISTING MANHOLE TO REMAIN. INSTALL NEBAH R-3070 CURB INLET FRAME, GRATE, AND CURB BOX. ADJUST EXISTING FLAT SLAB TOP SO THAT CURB BOX ALIGNS WITH NEW CURB. ADD ADJUSTMENT RINGS TO MEET PROPOSED RIM ELEVATION.
 - EXISTING MANHOLE TO REMAIN. INSTALL NEBAH R-3448-C RECTANGULAR GUTTER INLET FRAME AND GRATE. ADJUST EXISTING FLAT SLAB TOP SO THAT GRATE ALIGNS WITH THE FACE OF CURB. ADD ADJUSTMENT RINGS TO MEET PROPOSED RIM ELEVATION.
 - INSTALL NEW NEBAH R-T12 FRAME & GRATE. ADJUST EXISTING STRUCTURE TO MEET PROPOSED RIM ELEVATION.
 - ADJUST EXISTING MANHOLE TO MEET NEW RIM ELEVATION. REPLACE OPEN GRATE LID WITH SOLID LID.
 - NEW 12" RCP, 13 L.F. @ 1.58% SLOPE, 0.15% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-3070 FR & GR.
 - NEW 24" RCP, 15 L.F. @ 0.5% SLOPE.
 - NEW 60" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-2504 FR & GR.
 - NEW 18" RCP, 5 L.F. @ 0.5% SLOPE. PROVIDE CAP AT UPSTREAM END OF STORM SEWER.
 - NEW 12" RCP, 57 L.F. @ 0.58% SLOPE.
 - NEW 60" DIA. PRECAST CONCRETE MANHOLE WITH FLAT SLAB TOP AND NEBAH R-2504 FR & GR.
 - NEW 21" RCP, 5 L.F. @ 0.5% SLOPE. PROVIDE CAP AT UPSTREAM END OF STORM SEWER.
 - NEW 60" DIA. PRECAST CONCRETE MANHOLE W/ NEBAH R-2504 FR & GR.
 - NEW 6" PVC SDR 26, 18 L.F. @ 1.00% SLOPE.
 - NEW 6" PVC SDR 26, 26 CROSS WITH ALL NECESSARY FITTINGS.
 - NEW 6" PVC SDR 26, 22 L.F. @ 1.00% SLOPE.
 - NEW CLEANOUT.
 - NEW 6" PVC SDR 26, 42 L.F. @ 1.00% SLOPE.
 - NEW CLEANOUT.

- #### SANITARY
- EXISTING MANHOLE TO REMAIN. ADJUST RIM, CORE DRILL AND BOOT AND CONNECT NEW SANITARY SEWER TO EXISTING MANHOLE.
 - NEW 6" PVC SDR 26, 54 L.F. @ 4.00% SLOPE.
 - NEW 48" DIA. PRECAST CONCRETE MANHOLE.
 - NEW 6" PVC SDR 26, 22 L.F. @ 3.04% SLOPE.
 - CONNECT TO NEW BUILDING SANITARY SERVICE. (SEE PLUMBING PLANS FOR CONTINUATION).
 - EXISTING SANITARY SEWER TO REMAIN.
 - EXISTING MANHOLE TO REMAIN.
 - EXISTING MANHOLE TO REMAIN. ADJUST RIM.

- #### WATER
- CONNECT TO EXISTING WATER STUB AND PROVIDE 8" x 6" REDUCER.
 - NEW 6" DIP WATER SERVICE WITH FITTINGS, 5 L.F.
 - NEW FIRE HYDRANT.
 - NEW 6" DIP WATER SERVICE WITH FITTINGS, 55 L.F.
 - NEW WATER SERVICE TO BE EXTENDED INTO NEW BUILDING. PROVIDE FLANGED STUB 12" ABOVE FFE. (SEE PLUMBING PLANS FOR DETAILS AND CONTINUATION).
 - NEW FIRE DEPARTMENT CONNECTION. (SEE ARCHITECTURAL PLANS FOR DETAILS AND CONTINUATION).
 - EXISTING WATERMAIN TO REMAIN.
 - EXISTING WATER STRUCTURE TO REMAIN.
 - RAISE EXISTING HYDRANT AND AUXILIARY VALVE BOX. SEE GRADING PLAN FOR PROPOSED GRADES.
 - NEW FIRE SERVICE TO BE EXTENDED INTO NEW BUILDING. BRING TO VALVE OPENING. (SEE PLUMBING PLANS FOR DETAILS AND CONTINUATION).
 - NEW 2" CORPORATION STOP CONNECTION.
 - NEW 2" WATER SERVICE, 52 L.F.
 - NEW B. BOX.
 - NEW 4" "STORZ" BUILDING CONNECTION. (SEE PLUMBING PLANS FOR MORE INFORMATION).

PIPE CROSSING INFORMATION

- BOT OF STORM = 898.20;
TOP OF SANITARY = 893.63.

MISCELLANEOUS NOTES

- NEW TRANSFORMER PAD. COORDINATE WITH LOCAL UTILITY PROVIDER FOR LOCATION AND UNDERGROUND SERVICE LOCATION.
- NEW LIGHT POLE LOCATION. COORDINATE WITH SITE ELECTRICAL PLANS.
- NEW VILLAGE STREET LIGHT LOCATION. COORDINATE WITH SITE ELECTRICAL PLANS.
- NEW FUEL TANKS AND ASSOCIATED APPURTENANCES. SEE ARCHITECTURAL PLANS FOR DETAILS AND PRODUCT SPECIFICATIONS.
- NEW FUEL DISPENSER. (SEE ARCHITECTURAL PLANS FOR MORE INFORMATION).

NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
6	PER IDOT COMMENTS	8-18-2016	CMS
7	PER VILLAGE COMMENTS	11-14-2016	CMS
8	PER OWNER COMMENTS	04-07-2017	CMS
9	PER IDOT COMMENTS	05-24-2017	CMS

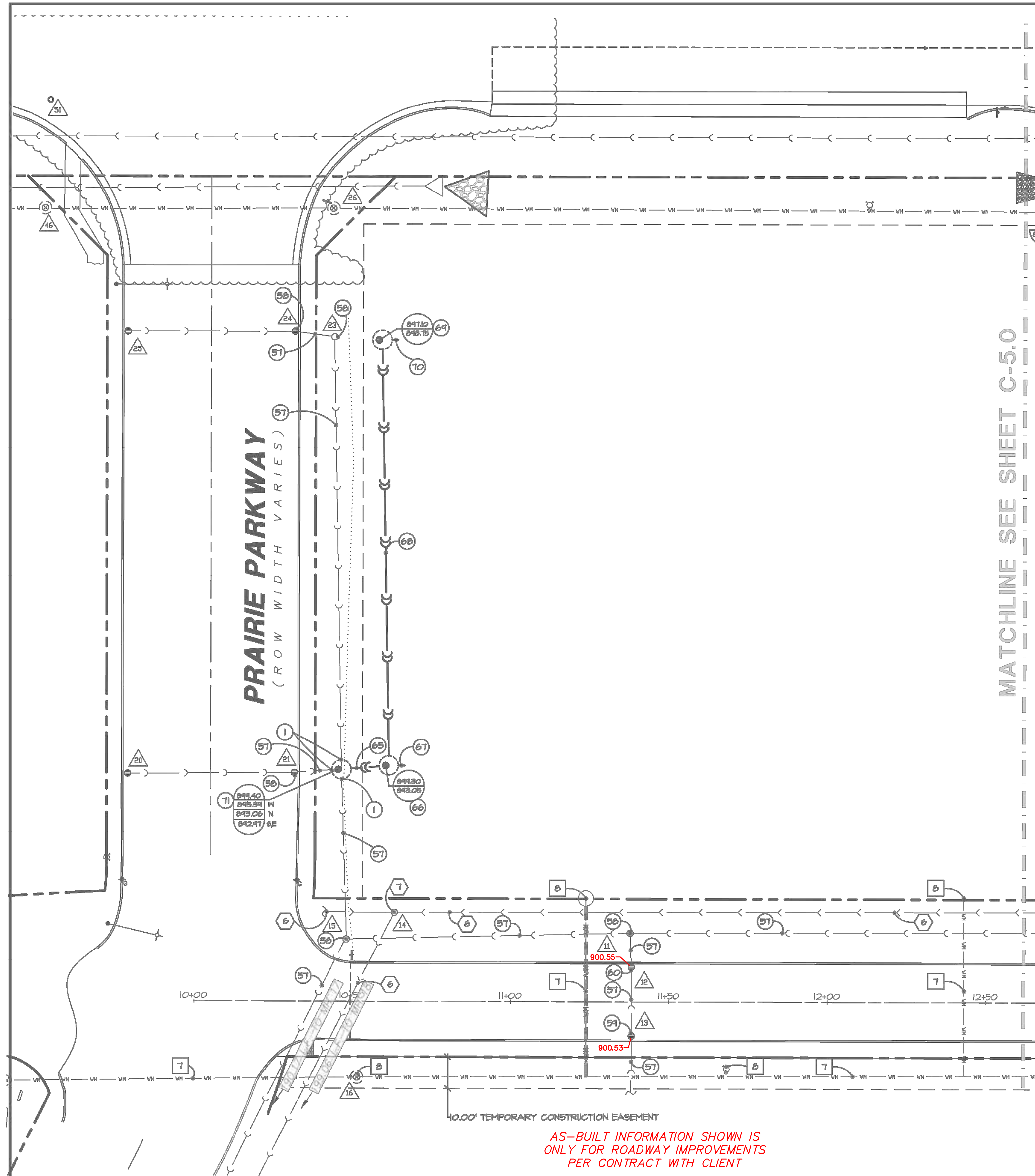
CORPORATE DESIGN + DEVELOPMENT
WT GROUP, LLC
 2675 PRATUM AVENUE, ILLINOIS 60192
 PH. 224-293-6333 FAX: 224-293-6444
 WWW.WTENGINEERING.COM

GLOGOVSKY OIL COMPANY
 C-STORRE
 SWC TYRRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

SITE UTILITY PLAN

START DATE: 12-17-15
 SCALE: AS SHOWN
 DRAWN: CMS
 CHECK: JEG
 JOB: CE15072
 SHEET: C-5.0

W-T CIVIL ENGINEERING, LLC.
 CIVIL AND STRUCTURAL ENGINEERS
 2675 Pratum Avenue
 Hoffman Estates, Illinois 60192
 PH: (224) 293-6333 FAX: (224) 293-6444
 www.wtengineering.com
 IL License No.: 184.007570-0015 Exp: 04/30/19



UTILITY LEGEND

- NEW SAN CUT / BUTT JOINT LINE
- x- EXISTING FENCE LINE
-) EXISTING STORM SEWER
-) EXISTING SANITARY SEWER
- W- EXISTING WATER MAIN
- W- EXISTING WATER SERVICE
- E- EXISTING U.S. ELECTRIC LINE
-) PROPOSED STORM SEWER
-) PROPOSED SANITARY SEWER
- W- PROPOSED WATER SERVICE
- PROPOSED RIM ELEVATION
- PROPOSED INVERT ELEVATION
- INTERPOLATED ELEVATION (VERIFY IN FIELD)
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- ▭ EXISTING INLET (CURB)
- EXISTING B-BOX
- EXISTING FIRE HYDRANT
- EXISTING VALVE VAULT
- EXISTING STREET LIGHT
- PROPOSED CLOSED MANHOLE
- PROPOSED OPEN LID MANHOLE
- PROPOSED INLET
- PROPOSED ADS DRAIN BASIN
- PROPOSED CLEANOUT
- PROPOSED VALVE VAULT
- PROPOSED STREET LIGHT

SITE UTILITY NOTES:

- A. CONTRACTOR SHALL CONTACT J.U.L.I.E. (811 OR 1-800-842-0123) AND/OR PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- B. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- C. CONTRACTOR SHALL EXCAVATE AND VERIFY IN FIELD ALL EXISTING UTILITY LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- D. REFER TO SPECIFICATION SHEETS FOR ALL PIPE MATERIAL AND JOINT SPECIFICATIONS.
- E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- F. CONTRACTOR SHALL VERIFY IN FIELD EXACT SIZE, MATERIAL, INVERT, PIPE ROUTING, AND SLOPE OF ALL EXISTING UTILITIES AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION.
- G. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF UTILITY TRENCHES DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING AND BRACING AS NECESSARY TO MAINTAIN STABILITY UNTIL CONSTRUCTION OF THE UTILITY IS COMPLETE IN ORDER TO MEET OSHA AND LOCAL CODES, AS WELL AS MANUFACTURER'S REQUIREMENTS.
- H. TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY (ASTM D-1557) OVER ALL UNDERGROUND UTILITIES WHICH ARE CONSTRUCTED UNDER OR WITHIN 2 FEET OF ANY PROPOSED OR EXISTING PAVEMENT OR SIDEWALKS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- I. ADJUST RIM ELEVATIONS OF EXISTING STRUCTURES IN PAVEMENT AS NECESSARY TO MEET PROPOSED FINISHED GRADE.
- J. CONTRACTOR TO COORDINATE ALL CONNECTIONS TO CITY UTILITIES AND STORM SEWERS WITH THE PUBLIC WORKS DEPARTMENT.
- K. CONTRACTOR TO USE CAUTION WHEN EXCAVATING AT EXISTING UTILITY LINES.
- L. ALL STORM MANHOLES SHALL HAVE OPEN LIDS UNLESS OTHERWISE SPECIFIED.

PIPE CROSSING INFORMATION

1. BOT OF STORM = 848.20'
2. TOP OF SANITARY = 848.65'

MISCELLANEOUS NOTES

1. NEW TRANSFORMER PAD. COORDINATE WITH LOCAL UTILITY PROVIDER FOR LOCATION AND UNDERGROUND SERVICE LOCATION.
2. NEW LIGHT POLE LOCATION. COORDINATE WITH SITE ELECTRICAL PLANS.
3. NEW VILLAGE STREET LIGHT LOCATION. COORDINATE WITH SITE ELECTRICAL PLANS.
4. NEW FUEL TANKS AND ASSOCIATED APPURTENANCES. SEE ARCHITECTURAL PLANS FOR DETAILS AND PRODUCT FINISH.
5. NEW FUEL DISPENSER. (SEE ARCHITECTURAL PLANS FOR MORE INFORMATION).

SANITARY

1. EXISTING MANHOLE TO REMAIN. ADJUST RIM, CORE DRILL AND BOOT AND CONNECT NEW SANITARY SEWER TO EXISTING MANHOLE.
2. NEW 6" PVC SDR 26, 54 L.F. @ 4.00% SLOPE.
3. NEW 48" DIA. PRECAST CONCRETE MANHOLE.
4. NEW 6" PVC SDR 26, 22 L.F. @ 3.00% SLOPE.
5. CONNECT TO NEW BUILDING SANITARY SERVICE. (SEE PLUMBING PLANS FOR CONTINUATION).
6. EXISTING SANITARY SEWER TO REMAIN.
7. EXISTING MANHOLE TO REMAIN.
8. EXISTING MANHOLE TO REMAIN. ADJUST RIM.

WATER

1. CONNECT TO EXISTING WATER STUB AND PROVIDE 6" x 6" REDUCER.
2. NEW 6" DIP WATER SERVICE WITH FITTINGS, 5 L.F.
3. NEW FIRE HYDRANT.
4. NEW 6" DIP WATER SERVICE WITH FITTINGS, 55 L.F.
5. NEW WATER SERVICE TO BE EXTENDED INTO NEW BUILDING. PROVIDE FLANGED STUB 12" ABOVE FFE. (SEE PLUMBING PLANS FOR DETAILS AND CONTINUATION).
6. NEW FIRE DEPARTMENT CONNECTION. (SEE ARCHITECTURAL PLANS FOR DETAILS AND CONTINUATION).
7. EXISTING WATERMAIN TO REMAIN.
8. EXISTING WATER STRUCTURE TO REMAIN.
9. RAISE EXISTING HYDRANT AND AUXILIARY VALVE BOX. SEE GRADING PLAN FOR PROPOSED GRADES.
10. NEW FIRE SERVICE TO BE EXTENDED INTO NEW BUILDING. BRING TO VALVE OPENING. (SEE PLUMBING PLANS FOR DETAILS AND CONTINUATION).
11. NEW 2" CORPORATION STOP CONNECTION.
12. NEW 2" WATER SERVICE, 52 L.F.
13. NEW B. BOX.
14. NEW 4" "STORZ" BUILDING CONNECTION. (SEE PLUMBING PLANS FOR MORE INFORMATION).

STORM SEWER

1. CONNECT TO EXISTING STORM SEWER.
2. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-112 FR & GR.
3. NEW 18" RCP, 55 L.F. @ 1.20% SLOPE.
4. NEW STORM WATER TREATMENT UNIT STC 900-1 W/ NEENAH R-2504-D FR & GR. (SEE DETAIL ON SHEET C-12).
5. NEW 12" RCP, 25 L.F. @ 3.00% SLOPE.
6. NEW 48" DIA. PRECAST CONCRETE INLET W/ NEENAH R-2504-D FR & GR.
7. NEW 6" PVC SDR 26, 40 L.F. @ 3.00% SLOPE.
8. NEW 24" DIA. PRECAST CONCRETE INLET WITH NEENAH R-112 FR & GR.
9. NEW 18" RCP, 61 L.F. @ 0.75% SLOPE.
10. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-2504-D FR & GR.
11. NEW 18" RCP, 51 L.F. @ 0.55% SLOPE.
12. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-2504-D FR & GR.
13. NEW 18" RCP, 162 L.F. @ 0.25% SLOPE.
14. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-2504-D FR & GR.
15. NEW 12" RCP, 36 L.F. @ 0.47% SLOPE.
16. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-112 FR & GR.
17. NEW 12" RCP, 52 L.F. @ 0.63% SLOPE.
18. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-2504-D FR & GR.
19. NEW 12" RCP, 56 L.F. @ 0.54% SLOPE.
20. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-2504-D FR & GR.
21. NEW 12" RCP, 65 L.F. @ 0.54% SLOPE.
22. NEW 24" DIA. INLET W/ NEENAH R-2504-D FR & GR.
23. NEW 6" PVC SDR 26, TOTAL 161 L.F. @ MIN 1.00% SLOPE, WITH ALL FITTINGS REQUIRED.
24. NEW CANOPY DOWNPOUTS CONNECTIONS WITH ALL NECESSARY FITTINGS. COORDINATE EXACT LOCATION AND CONNECTION DETAILS WITH ARCHITECTURAL CANOPY DRAWINGS (TOTAL 12).
25. NEW 12" RCP, 17 L.F. @ 0.55% SLOPE.
26. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH FLAT SLAB TOP W/ NEENAH R-2504-D FR & GR.
27. NEW 12" RCP, 67 L.F. @ 0.75% SLOPE.
28. NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH FLAT SLAB TOP W/ NEENAH R-2504-D FR & GR.
29. NEW 12" RCP, 51 L.F. @ 0.55% SLOPE.
30. NEW 24" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-2504-D FR & GR.
31. CONNECT TO EXISTING STORM SEWER.
32. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-112 FR & GR.
33. NEW 12" RCP, 51 L.F. @ 0.55% SLOPE.
34. REINSTALL EXISTING 24" DIA. CONCRETE STRUCTURE. INSTALL NEENAH R-3070 CURB INLET FRAME, GRATE, AND CURB BOX.
35. NEW 15" RCP, 12 L.F. @ 1.67% SLOPE.
36. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-3448-C FR & GR.
37. NEW 12" RCP, 51 L.F. @ 0.55% SLOPE.
38. NEW STORM WATER TREATMENT UNIT STC 450-1 W/ NEENAH R-2504-D FR & GR. (SEE DETAIL ON SHEET C-7.1).
39. EXISTING MANHOLE TO REMAIN. ADJUST RIM, CORE DRILL AND BOOT AND CONNECT NEW STORM SEWER TO EXISTING MANHOLE.
40. NEW 12" RCP, 24 L.F. @ 1.00% SLOPE.
41. NEW 24" DIA. CATCH BASIN W/ NEENAH R-2504-D FR & GR.
42. NEW 6" PVC SDR 26, 22 L.F. @ 1.00% SLOPE.
43. CONNECT TO 6" BUILDING SERVICE @ INV=849.20. (SEE PLUMBING PLANS FOR CONTINUATION).
44. NOT USED.
45. NEW 14" x 23" F.F.S. WITH GRATE.
46. NEW 14" x 23" RCP, 116 L.F. @ 0.45% SLOPE.
47. NEW 14" x 23" F.F.S. WITH GRATE.
48. CONNECT TO EXISTING STORM SEWER.
49. NEW 12" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-112 FR & GR.
50. NEW 12" RCP, 8 L.F. @ 25.00% SLOPE.
51. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-1842 FR & GR.
52. NEW 24" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-1842 FR & GR.
53. NEW 12" RCP, 20 L.F. @ 1.00% SLOPE.
54. NEW 12" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-112 FR & GR.
55. CONNECT TO EXISTING STORM SEWER.
56. NOT USED.
57. EXISTING STORM SEWER TO REMAIN.
58. EXISTING STORM MANHOLE TO REMAIN.
59. EXISTING MANHOLE TO REMAIN. INSTALL NEENAH R-3070 CURB INLET FRAME GRATE, AND CURB BOX. ADJUST EXISTING FLAT SLAB TOP SO THAT CURB BOX ALIGNS WITH NEW CURB. ADD ADJUSTMENT RINGS TO MEET PROPOSED RIM ELEVATION.
60. EXISTING MANHOLE TO REMAIN. INSTALL NEENAH R-3448-C RECTANGULAR GUTTER INLET FRAME AND GRATE. ADJUST EXISTING FLAT SLAB TOP SO THAT GRATE ALIGNS WITH THE FACE OF CURB. ADD ADJUSTMENT RINGS TO MEET PROPOSED RIM ELEVATION.
61. INSTALL NEW NEENAH R-112 FRAME & GRATE. ADJUST EXISTING STRUCTURE TO MEET PROPOSED RIM ELEVATION.
62. ADJUST EXISTING MANHOLE TO MEET NEW RIM ELEVATION. REPLACE OPEN GRATE LID WITH SOLID LID.
63. NEW 12" RCP, 15 L.F. @ 1.15% SLOPE.
64. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-3070 FR & GR.
65. NEW 24" RCP, 15 L.F. @ 0.5% SLOPE.
66. NEW 60" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-2504 FR & GR.
67. NEW 18" RCP, 5 L.F. @ 0.5% SLOPE. PROVIDE GAP AT UPSTREAM END OF STORM SEWER.
68. NEW 21" RCP, 181 L.F. @ 0.5% SLOPE.
69. NEW 60" DIA. PRECAST CONCRETE MANHOLE W/ FLAT SLAB TOP AND NEENAH R-2504 FR & GR.
70. NEW 21" RCP, 5 L.F. @ 0.5% SLOPE. PROVIDE GAP AT UPSTREAM END OF STORM SEWER.
71. NEW 60" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-2504 FR & GR.
72. NEW 6" PVC SDR 26, 19 L.F. @ 1.00% SLOPE.
73. NEW 6" x 6" PVC SDR 26 CROSS WITH ALL NECESSARY FITTINGS.
74. NEW 6" PVC SDR 26, 22 L.F. @ 1.00% SLOPE.
75. NEW CLEANOUT.
76. NEW 6" PVC SDR 26, 42 L.F. @ 1.00% SLOPE.
77. NEW CLEANOUT.

RECORD DRAWING 01/18/22

LEGEND: XXX.XX = AS-BUILT GRADE

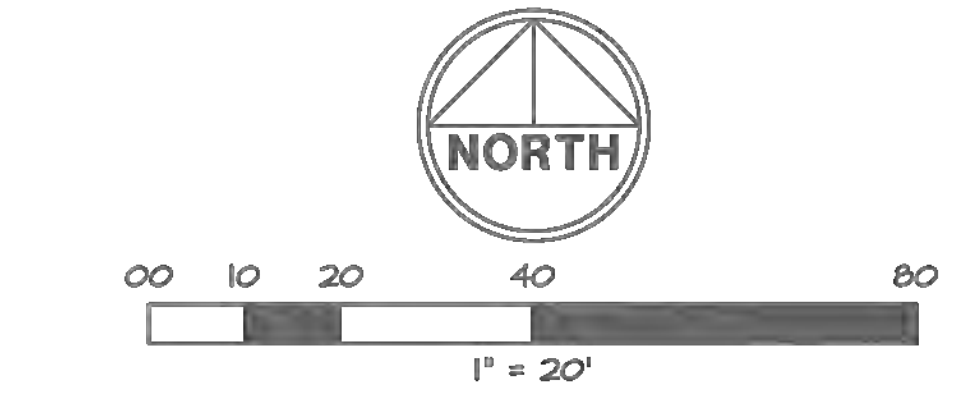
AS-BUILT CONDITIONS SHOWN HEREON
 PREPARED BY:
 WT GROUP LLC
 2675 PRATUM AVENUE
 HOFFMAN ESTATES, ILLINOIS 60192
 PH. 224-293-6333
 WT GROUP JOB #: S2200006

Erigo Mat...



EXISTING UTILITY DATA

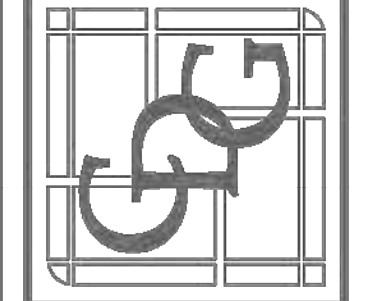
- | | |
|--|--|
| 11. RIM=900.28' (STORM)
72" CONCRETE STRUCTURE
INV=893.16' (36" RCP E)
INV=895.23' (15" RCP S)
INV=893.13' (36" RCP W) | 14. RIM=900.50' (SANITARY)
48" CONCRETE STRUCTURE
INV=890.79' (8" PVC E/W)
INV=890.79' (10" PVC SW) |
| 12. RIM=900.31' (STORM)
48" CONCRETE STRUCTURE
INV=896.40' (15" RCP N)
INV=896.44' (15" RCP S) | 15. RIM=900.51' (STORM)
72" CONCRETE STRUCTURE
INV=892.89' (36" RCP E/SW) |
| 13. RIM=900.32' (STORM)
48" CONCRETE STRUCTURE
INV=896.67' (15" RCP N)
INV=896.67' (12" DI S) | 16. RIM=901.22' (WATER)
45" CONCRETE STRUCTURE
895.17' AT TOP OF 8" DI
WATERMAIN E/W |



WT **W-T CIVIL ENGINEERING, LLC.**
 CIVIL AND STRUCTURAL ENGINEERS
 2675 Pratum Avenue
 Hoffman Estates, Illinois 60192
 PH: (224) 293-6333 FAX: (224) 293-6444
 www.wtengineering.com
 I.L. License No.: 184.007570-0015 Exp: 04/30/19

NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-9-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
6	PER IDOT COMMENTS	8-18-2016	CMS
7	PER VILLAGE COMMENTS	11-14-2016	CMS
8	PER OWNER COMMENTS	04-07-2017	CMS
9	PER IDOT COMMENTS	05-24-2017	CMS

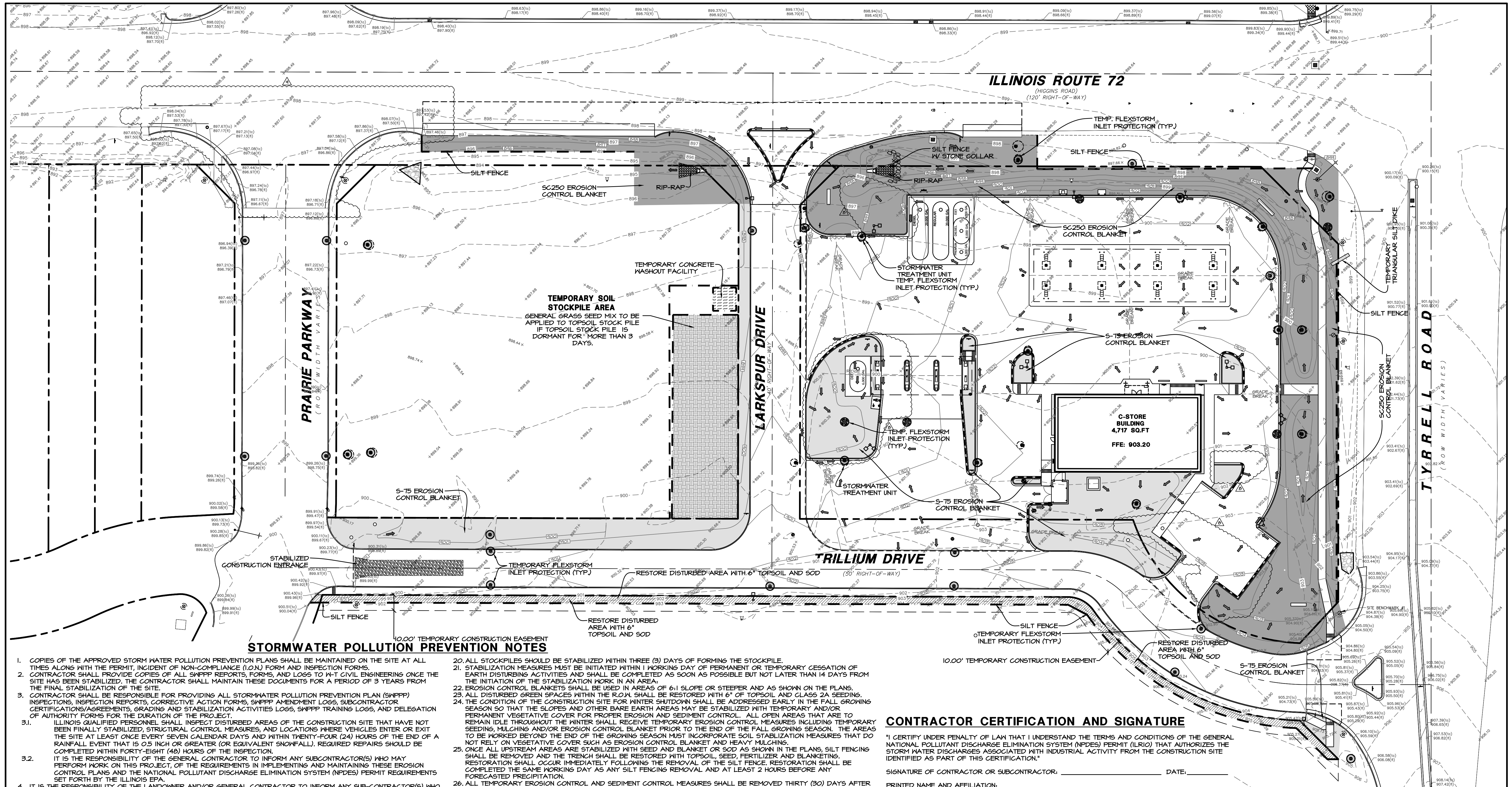
CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
 2075 PRATUM AVENUE
 HOFFMAN ESTATES, ILLINOIS 60192
 WWW.CORPORATEDESIGN.COM
 I.L. PROFESSIONAL ENGINEER REG. NO. 16-069515



GLOGOVSKY OIL COMPANY
 C-STREET
 SWC TYRRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

SITE UTILITY PLAN

START DATE:	12-17-15
SCALE:	AS SHOWN
DRAWN:	CMS
CHECK:	JEG
JOB:	CE15072
SHEET:	C-5.1



STORMWATER POLLUTION PREVENTION NOTES

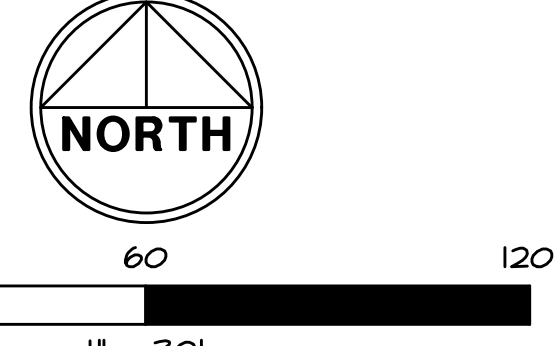
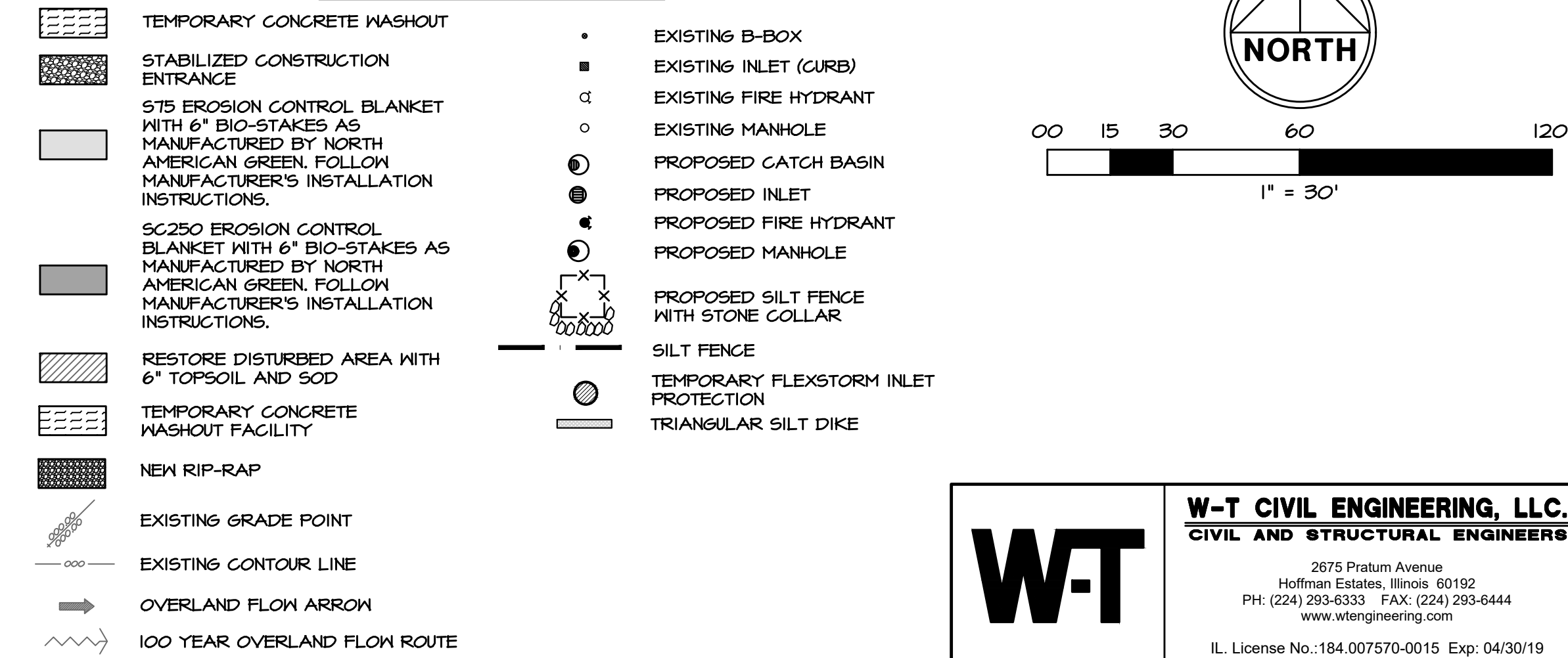
- COPIES OF THE APPROVED STORM WATER POLLUTION PREVENTION PLANS SHALL BE MAINTAINED ON THE SITE AT ALL TIMES ALONG WITH THE PERMIT, INCIDENT OF NON-COMPLIANCE (I.O.N) FORM AND INSPECTION FORMS.
- CONTRACTOR SHALL PROVIDE COPIES OF ALL SWPPP REPORTS, FORMS, AND LOGS TO W-T CIVIL ENGINEERING ONCE THE SITE HAS BEEN STABILIZED. THE CONTRACTOR SHALL MAINTAIN THESE DOCUMENTS FOR A PERIOD OF 3 YEARS FROM THE FINAL STABILIZATION OF THE SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL STORMWATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTIONS, INSPECTION REPORTS, CORRECTIVE ACTION FORMS, SWPPP AMENDMENT LOGS, SUB-CONTRACTOR CERTIFICATIONS/AGREEMENTS, GRADING AND STABILIZATION ACTIVITIES LOGS, SWPPP TRAINING LOGS, AND DELEGATION OF AUTHORITY FORMS FOR THE DURATION OF THE PROJECT.
- ILLINOIS QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED. STRUCTURAL CONTROL MEASURES AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCH OR GREATER (OR EQUIVALENT SNOWFALL). REQUIRED REPAIRS SHOULD BE COMPLETED WITHIN FORTY-EIGHT (48) HOURS OF THE INSPECTION.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.
- IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.
- ALL EROSION AND SEDIMENTATION MEASURES AND DEVICES SHALL BE INSTALLED AND FUNCTIONAL BEFORE THE SITE IS OTHERWISE DISTURBED. THEY SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SITE STABILIZATION HAS BEEN ACHIEVED.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE ILLINOIS EPA.
- THE GOVERNING AUTHORITIES HAVING JURISDICTION OVER THE PROJECT SITE MUST BE NOTIFIED ONE (1) WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE (1) WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE (1) WEEK PRIOR TO THE FINAL INSPECTION.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ILLINOIS EPA.
- IF AFTER REPEATED FAILURE ON THE PART OF THE CONTRACTOR TO PROPERLY CONTROL EROSION, POLLUTION, AND/OR SILTATION, THE GOVERNING AUTHORITIES RESERVE THE RIGHT TO EFFECT NECESSARY CORRECTIVE MEASURES AND CHARGE ANY COSTS TO THE CONTRACTOR.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL LATEST EDITION.
- INLET PROTECTION SHALL BE INSTALLED AROUND EACH INLET OR CATCH BASIN. THESE SHALL BE MAINTAINED UNTIL THE TRIBUTARY DRAINAGE AREAS HAVE ADEQUATE GRASS COVER OR APPROPRIATE GROUND STABILIZATION.
- ALL STREETS ADJACENT TO THE SITE SHALL BE KEPT CLEAR OF DIRT, MUD AND DEBRIS.
- CONTRACTORS SHALL MINIMIZE BARE EARTH SURFACES DURING CONSTRUCTION.
- ALL DISTURBED AREAS SHOULD BE SEEDED OR SODDED WITHIN THREE (3) DAYS OF FINAL DISTURBANCE.
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIALS ARE DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, OR DITCHES SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS LOOSE MATERIAL SHALL BE REMOVED.
- ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEMS BY THE USE OF INLET PROTECTION OR OTHER APPROVED FUNCTIONAL METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT.
- CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A MANNER AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE FROM THE PROPOSED CONSTRUCTION ENTRANCE. THE USE OF ANY OTHER ACCESSSES IS PROHIBITED.
- DURING DENATURING OPERATIONS, WATER SHALL BE PUMPED OR OTHERWISE DISCHARGED FROM THE SITE INTO SEDIMENT BASINS, SILT TRAPS, DENATURING BAGS OR POLYMER MIXING SHALES, DENATURING DIRECTLY INTO FIELD TILES, WETLANDS, ADJACENT PROPERTIES, PUBLIC RIGHTS-OF-WAY, STREAMS, LAKES, PONDS, RIVERS, OR STORMWATER SYSTEMS IS PROHIBITED.
- ALL STOCKPILES SHOULD BE STABILIZED WITHIN THREE (3) DAYS OF FORMING THE STOCKPILE.
- STABILIZATION MEASURES MUST BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 14 DAYS FROM THE INITIATION OF THE STABILIZATION WORK IN AN AREA.
- EROSION CONTROL BLANKETS SHALL BE USED IN AREAS OF 6:1 SLOPE OR STEEPER AND AS SHOWN ON THE PLANS.
- ALL DISTURBED GREEN SPACES WITHIN THE R.O.W. SHALL BE RESTORED WITH 6" OF TOPSOIL AND CLASS 2A SEEDING.
- THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT THE SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.
- ONCE ALL UPSTREAM AREAS ARE STABILIZED WITH SEED AND BLANKET OR SOD AS SHOWN IN THE PLANS, SILT FENCING SHALL BE REMOVED AND THE TRENCH SHALL BE RESTORED WITH TOPSOIL, SEED, FERTILIZER AND BLANKETING.
- RESTORATION SHALL OCCUR IMMEDIATELY FOLLOWING THE REMOVAL OF THE SILT FENCE. RESTORATION SHALL BE COMPLETED THE SAME WORKING DAY AS ANY SILT FENCING REMOVAL AND AT LEAST 2 HOURS BEFORE ANY FORECASTED PRECIPITATION.
- ALL TEMPORARY EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PROPERLY STABILIZED OR DISPOSED OFF BY THE CONTRACTOR.
- TEMPORARY OR PERMANENT STABILIZATION SHALL OCCUR IMMEDIATELY WHENEVER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE. TEMPORARY STABILIZATION SHALL CONSIST OF THE INSTALLATION OF TEMPORARY SEEDING.
- CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION ENTRANCES AS NECESSARY TO EXCAVATE AREAS AND HALL SOILS ON-SITE. TRACKING OF DEBRIS ON SITE WILL NOT BE TOLERATED. ANY DEBRIS LEFT OUTSIDE OF THE PROJECT LIMITS MUST BE CLEANED IMMEDIATELY.
- ALL DISTURBED GREEN SPACES ON THE SITE SHALL BE RESTORED WITH MINIMUM 6" OF TOPSOIL, FERTILIZER, SEED, AND EROSION CONTROL BLANKET UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF SHADED AREAS WITH 6" OF TOPSOIL, FERTILIZER, SEED AND D515 EROSION CONTROL BLANKET.
- BLANKET STAPLES SHALL BE BIO-STAPLES ONLY. NO METAL STAPLES WILL BE ALLOWED.
- CONCRETE WASHOUT SHOULD BE CONTAINED AT ALL TIMES. WASHOUT MATERIALS SHOULD NOT BE ALLOWED TO ENTER STORM SEWERS, OFF-SITE WETLAND AREAS OR LEACH INTO THE SOIL UNDER ANY CIRCUMSTANCES. ANY WASTE SHOULD BE DISPOSED OF PROPERLY AND THE LOCATION OF THE WASHOUT SHOULD BE DESIGNATED WITH PROPER SIGNAGE.
- STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES, NOT BEING ACTIVELY WORKED AND TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING. STOCKPILES SHOULD BE LOCATED IN AREAS THAT DO NOT HAVE HIGH POTENTIAL FOR CONTRIBUTING SEDIMENTS TO STORMWATER FACILITIES.
- THE PRIMARY PURPOSE OF ALL SOIL EROSION AND SEDIMENT CONTROL BMP'S (BEST MANAGEMENT PRACTICES) IS TO PREVENT SEDIMENT FROM LEAVING THE SITE. ALL STORMWATER DISCHARGE LOCATIONS WITH A DIRECT CONNECTION TO THE SITE SHOULD BE MONITORED CLOSELY FOR EVIDENCE OF SEDIMENT. KDSWGD MAY REQUEST THAT ADDITIONAL BMP'S BE INSTALLED IN THE EVENT OF OFF-SITE SEDIMENT DISCHARGE OR HIGH POTENTIAL FOR DISCHARGE.
- PRIOR TO FINAL ACCEPTANCE BY KDSWGD, THE SITE MUST BE PROPERLY STABILIZED. ALL VEGETATED AREAS MUST HAVE ESTABLISHED PERENNIAL VEGETATION WITH UNIFORM COVERAGE OF 10% OR GREATER.
- THE CONTRACTOR MUST RETAIN A COPY OF THE SWPPP AND INSPECTION REPORTS AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE TIME THE NPDES PERMIT IS TERMINATED. CONTRACTOR TO PROVIDE FIELD COPY OF SWPPP REPORT, WITH COPIES OF SITE INSPECTION REPORTS, CORRECTIVE ACTION FORMS, LOGS, SUB-CONTRACTOR CERTIFICATIONS, NON-COMPLIANCE REPORTS AND TRAINING RECORDS TO W-T CIVIL ENGINEERING, LLC AND OWNER UPON TERMINATION OF NPDES PERMIT. CONTRACTOR TO RETAIN A COPY IN THEIR FILES OF FINAL SWPPP REPORT FOR A MINIMUM PERIOD OF 3 YEARS.
- ALL EROSION CONTROL MEASURES MUST BE INSPECTED EVERY 7 CALENDAR DAYS AND AFTER EACH 1/8" RAIN EVENT.
- CONTRACTOR TO STAY WITHIN THE 10' TEMPORARY CONSTRUCTION EASEMENT ALONG THE SOUTH END OF TRILLIUM DRIVE.

CONTRACTOR CERTIFICATION AND SIGNATURE

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR0) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

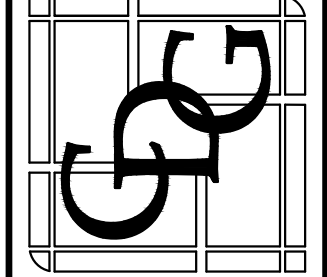
SIGNATURE OF CONTRACTOR OR SUBCONTRACTOR: _____ DATE: _____
 PRINTED NAME AND AFFILIATION: _____

SWPPP LEGEND



NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
6	PER IDOT COMMENTS	8-18-2016	CMS
7	PER OWNER COMMENTS	11-14-2016	CMS
8	PER OWNER COMMENTS	04-07-2017	CMS
9	PER IDOT COMMENTS	05-24-2017	CMS

CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
 2875 PRATUM AVENUE
 SUITE 200
 PH: 224.293.6000
 FAX: 224.293.6000
 WWW.WTCIVILENGINEERING.COM
 ILL. PROFESSIONAL DESIGN (PR) NO. 164-00913



GLOGOVSKY OIL COMPANY
 C-STORE
 SWC TYRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

START DATE: 12-17-15
 SCALE: AS SHOWN
 DRAWN: CMS
 CHECK: JEG
 JOB: CE15072
 SHEET: C-6.0

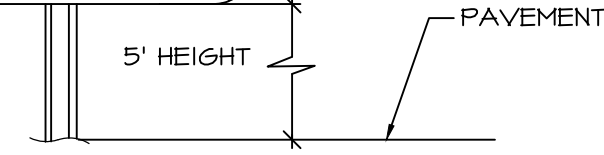
W-T CIVIL ENGINEERING, LLC.
CIVIL AND STRUCTURAL ENGINEERS
 2875 Pratum Avenue
 Hoffman Estates, Illinois 60192
 PH: (224) 293-6333 FAX: (224) 293-6444
 www.wtcivilengineering.com
 ILL. License No.: 164-007570-0015 Exp: 04/30/19

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R7-8

R7-101

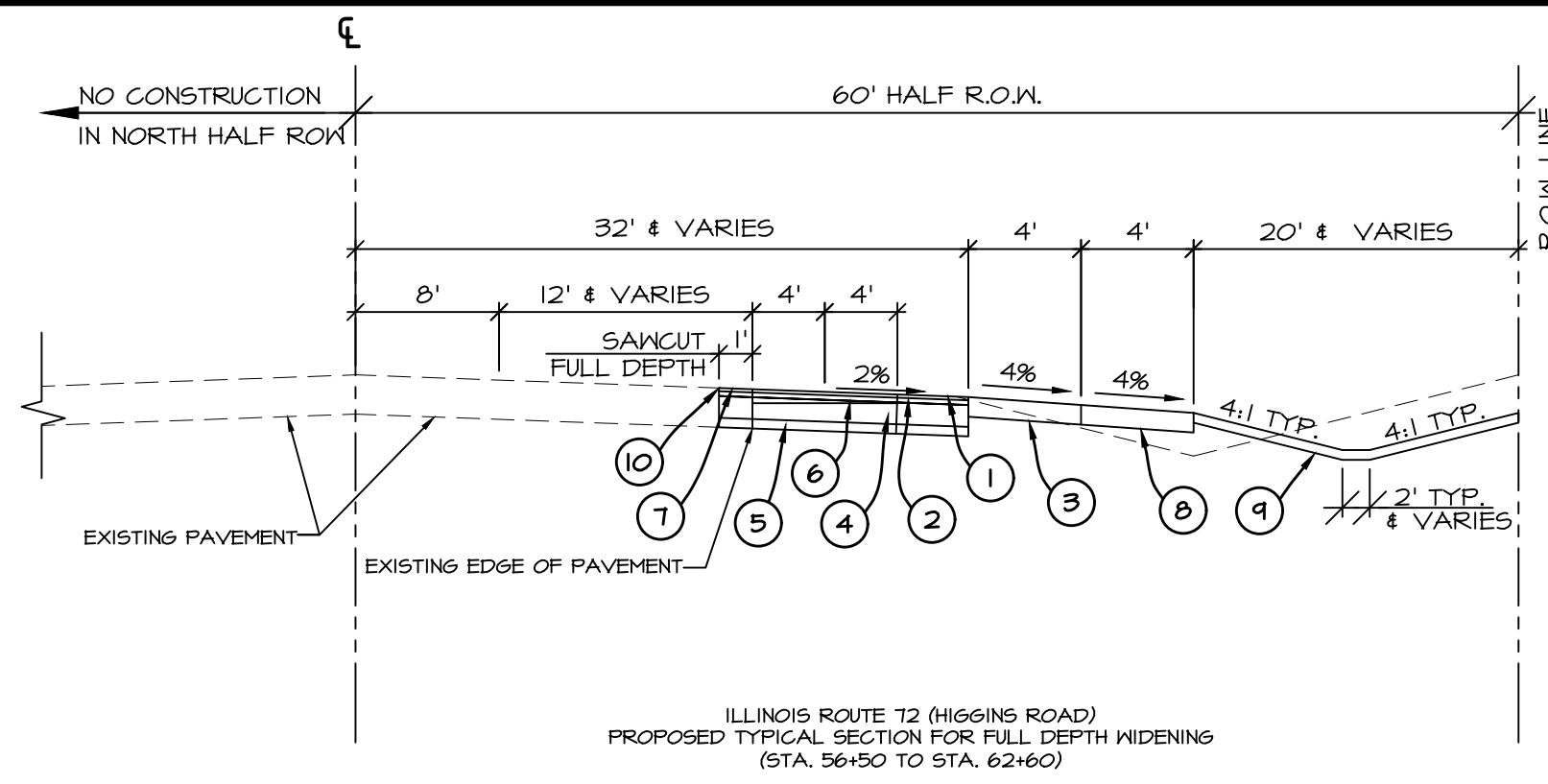


NOTES:

- CENTER SIGN IN PARKING STALL AND INSTALL MINIMUM OF 5' ABOVE FINISHED PAVEMENT ELEVATION.
- CONTRACTOR SHALL VERIFY FINE AMOUNT WITH MUNICIPALITY PRIOR TO INSTALLATION.

DETAIL - ACCESSIBLE PARKING SIGN

NOT TO SCALE

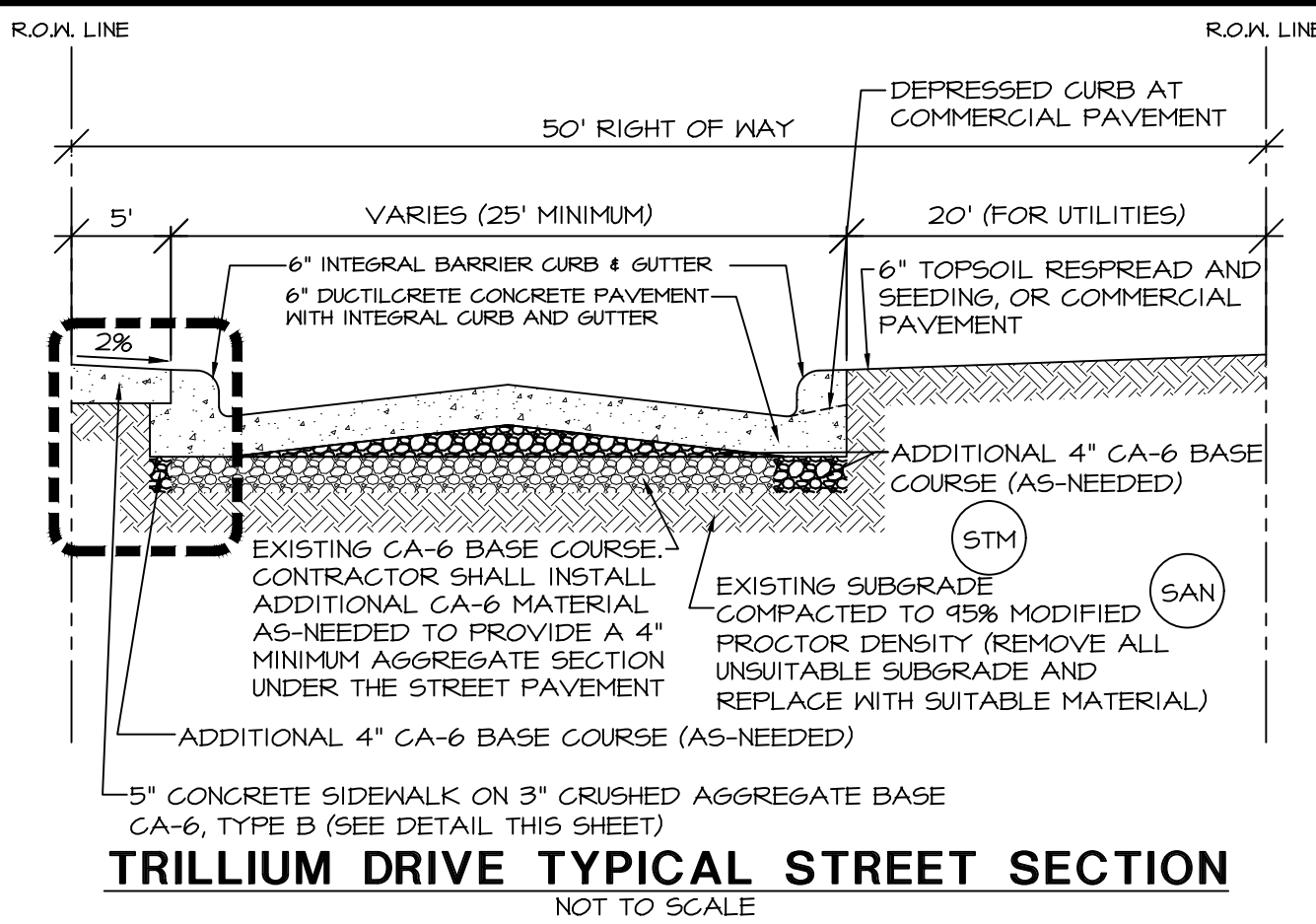


LEGEND

- | | |
|---|---|
| ① HMA SURFACE COURSE, MIX 'D', NTO, 1-1/2" | ⑥ BITUMINOUS PRIME COAT, 0.1 GAL/SY |
| ② HMA BINDER COURSE, IL 19, NTO, 2" | ⑦ STRIP REFLECTIVE CRACK CONTROL, 24" WIDTH |
| ③ PAVED SHOULDER, 8' (HMA SURFACE COURSE, MIX 'D', NTO, 1-1/2" HMA BINDER COURSE, IL 19, NTO, 6-1/2") | ⑧ AGGREGATE SHOULDER, 8' TYPE B (COMPACTED) |
| ④ HMA BASE COURSE, 10" | ⑨ TOPSOIL PLACEMENT 6" W/ CLASS 2A SEEDING, FERTILIZER NUTRIENTS AND EROSION CONTROL BLANKET. |
| ⑤ AGGREGATE BASE COURSE, 6" MIN | ⑩ MILL 1-1/2" THICKNESS BY 12" WIDTH (FOR BUTT JOINT) |

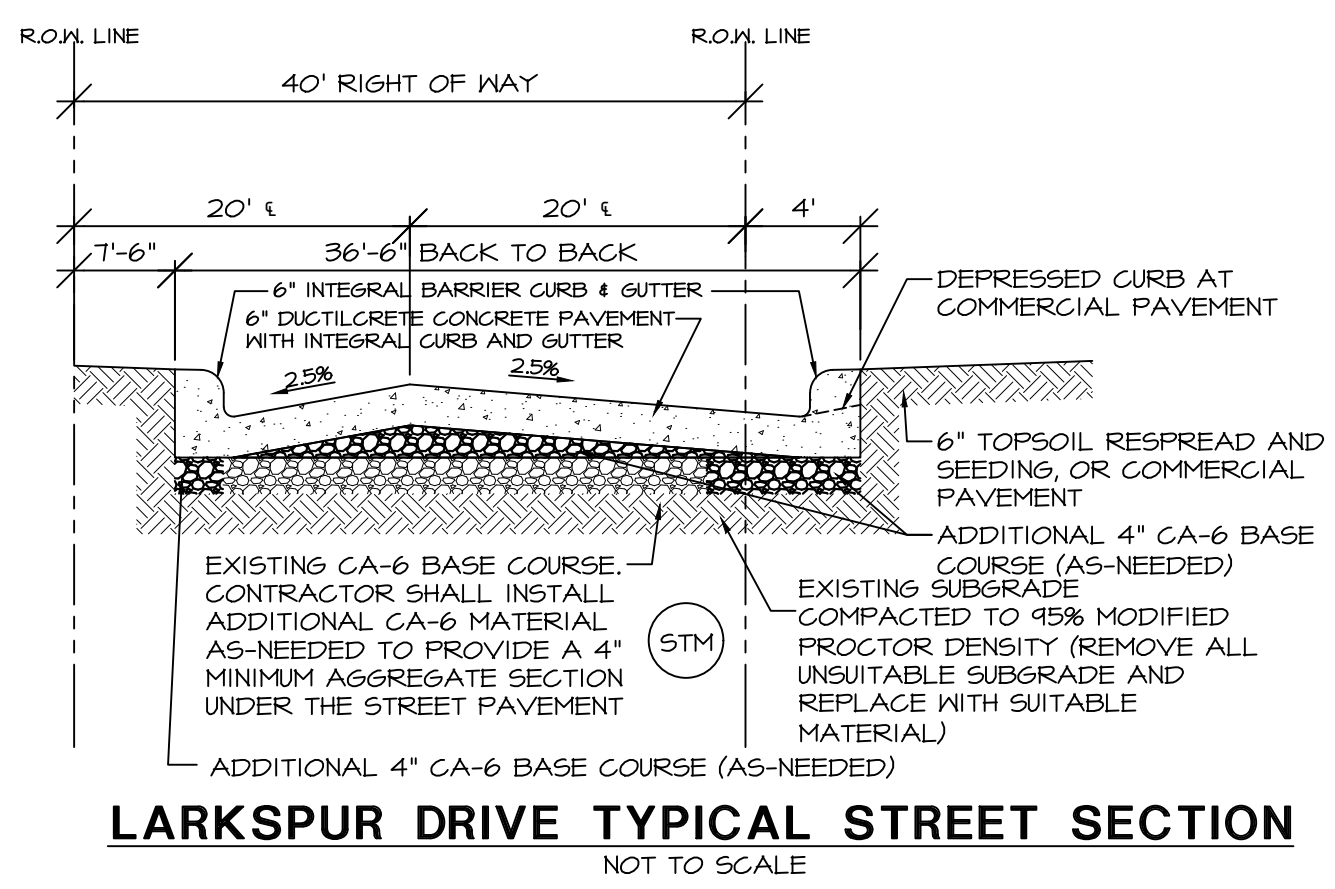
IL-72 (HIGGINS ROAD) TYPICAL STREET SECTION

NOT TO SCALE



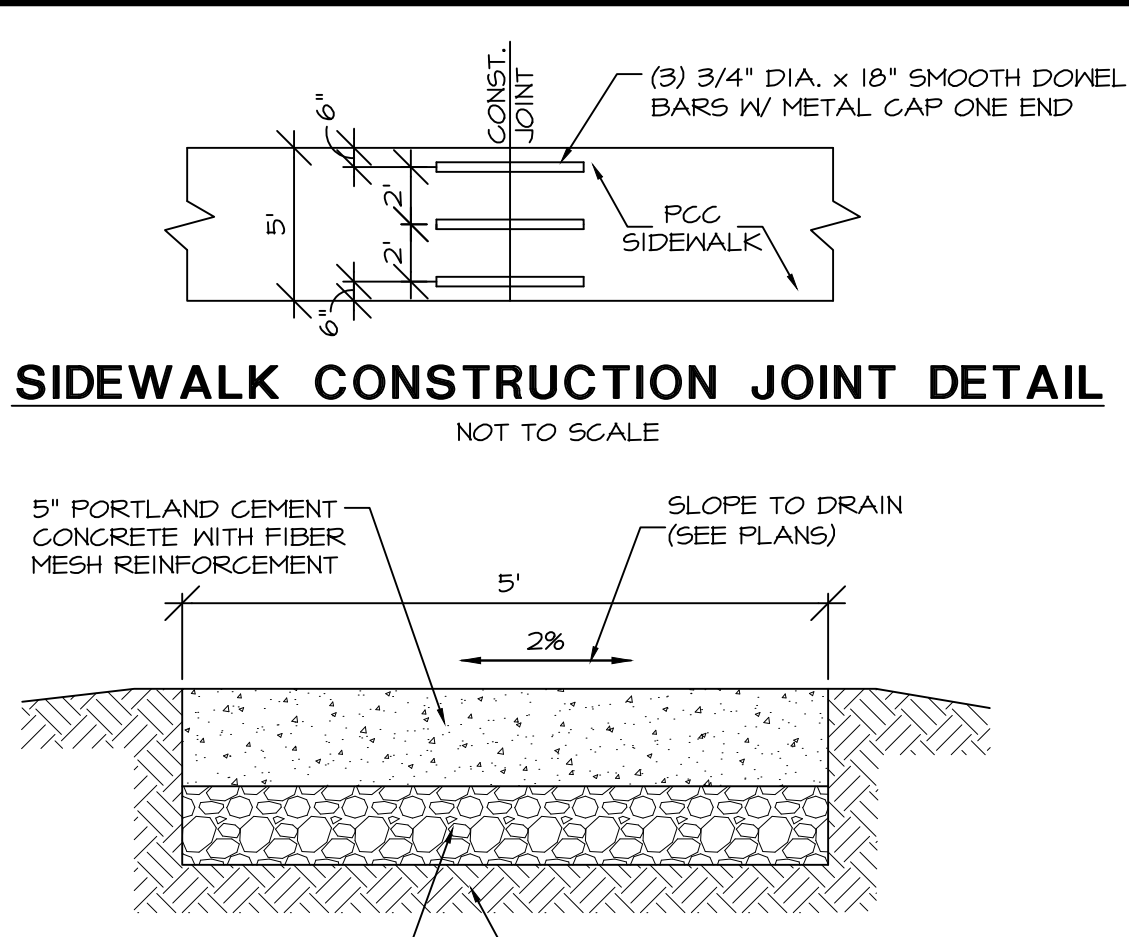
TRILLIUM DRIVE TYPICAL STREET SECTION

NOT TO SCALE



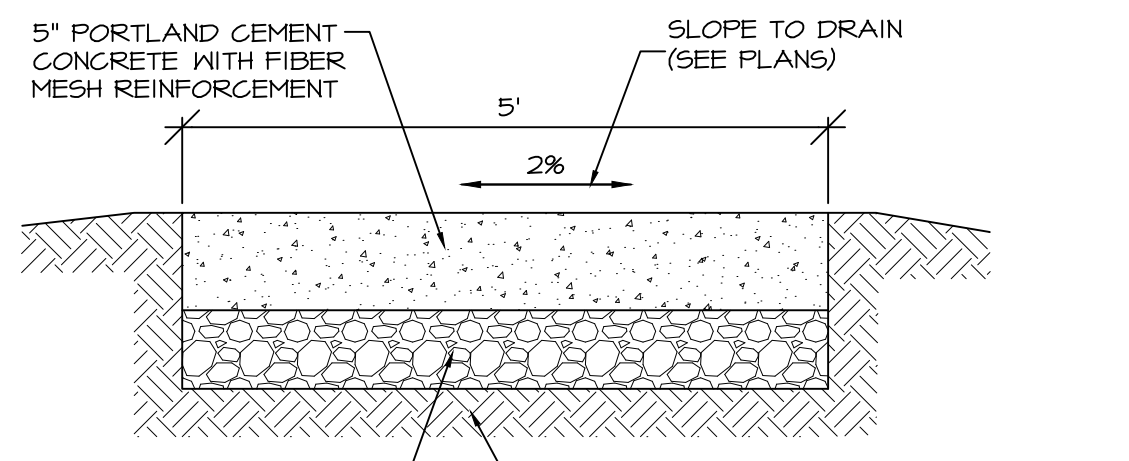
LARKSPUR DRIVE TYPICAL STREET SECTION

NOT TO SCALE



SIDEWALK CONSTRUCTION JOINT DETAIL

NOT TO SCALE

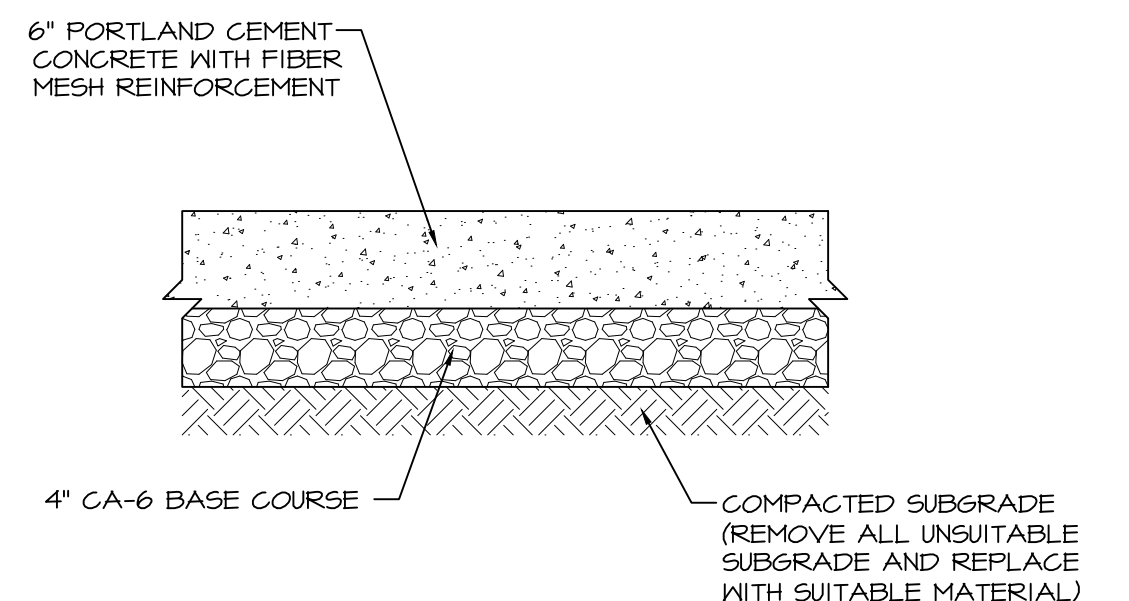


NOTES:

- INSTALL THREE (3) CONTINUOUS NO. 4 STEEL REBAR PERPENDICULAR TO AND CENTERED OVER ALL UTILITY TRENCH CROSSINGS 50 BARS EXTEND A MINIMUM OF FIVE (5) FEET BEYOND THE TRENCH.
- SIDEWALK SLOPES SHALL BE MAXIMUM SLOPE OF 2%.
- SIDEWALK SHALL BE A MINIMUM OF 5" THICK.
- CONSTRUCTION JOINTS, 1/2" TYPE SHALL BE TOOLED IN THE SURFACE OF THE SIDEWALK AT 5' FOOT INTERVALS.
- EXPANSION JOINTS 1/2" SHALL BE PROVIDED EVERY 100 FEET, AND AT ALL LOCATIONS WHERE SIDEWALKS ABUTS CONCRETE CURBS.
- THE FINISHED SIDEWALK SURFACE SHALL HAVE A BROOMED TEXTURE.
- CONSTRUCTION JOINTS, AS SHOWN, SHALL BE CONSTRUCTED AT ALL TERMINUS ENDS WHERE THE SIDEWALK IS NOT CONSTRUCTED CONTINUOUS.

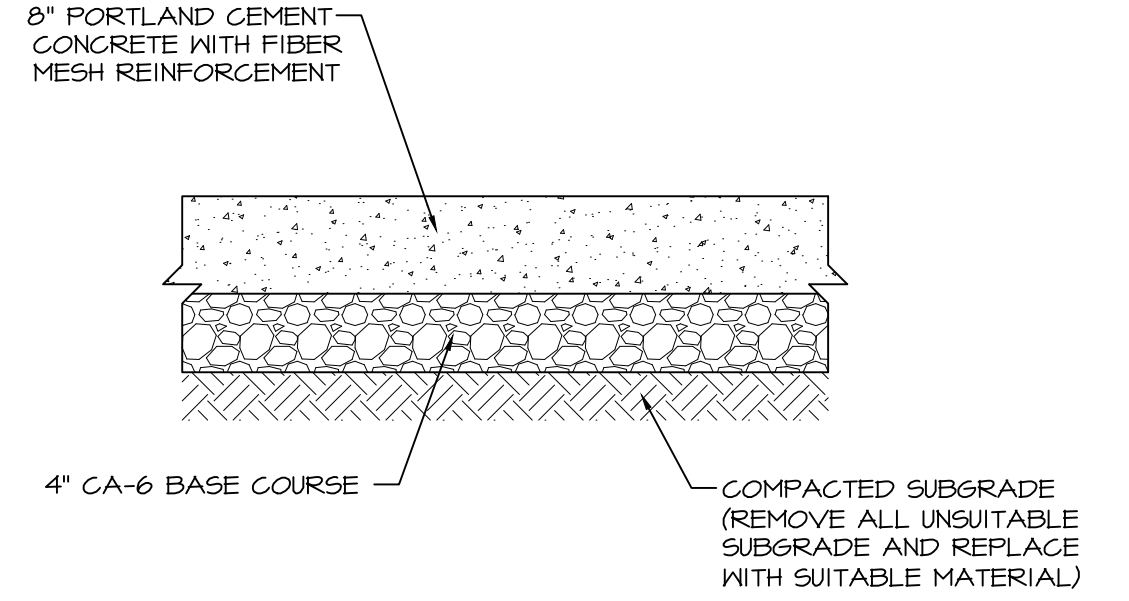
DETAIL - CONCRETE SIDEWALK

NOT TO SCALE



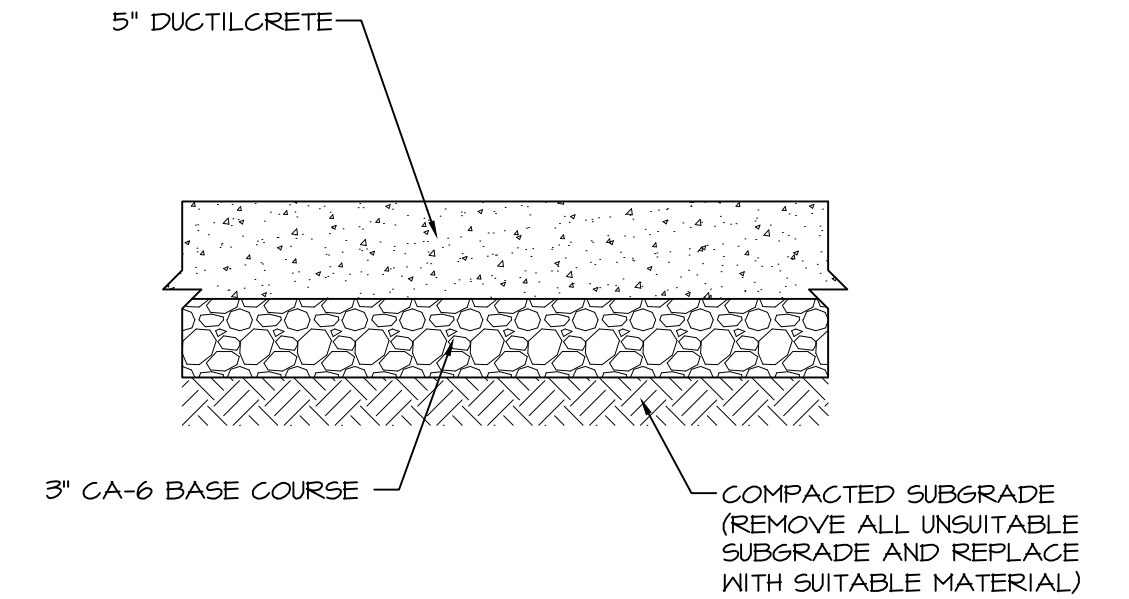
DETAIL - 6" CONCRETE PAVEMENT

NOT TO SCALE



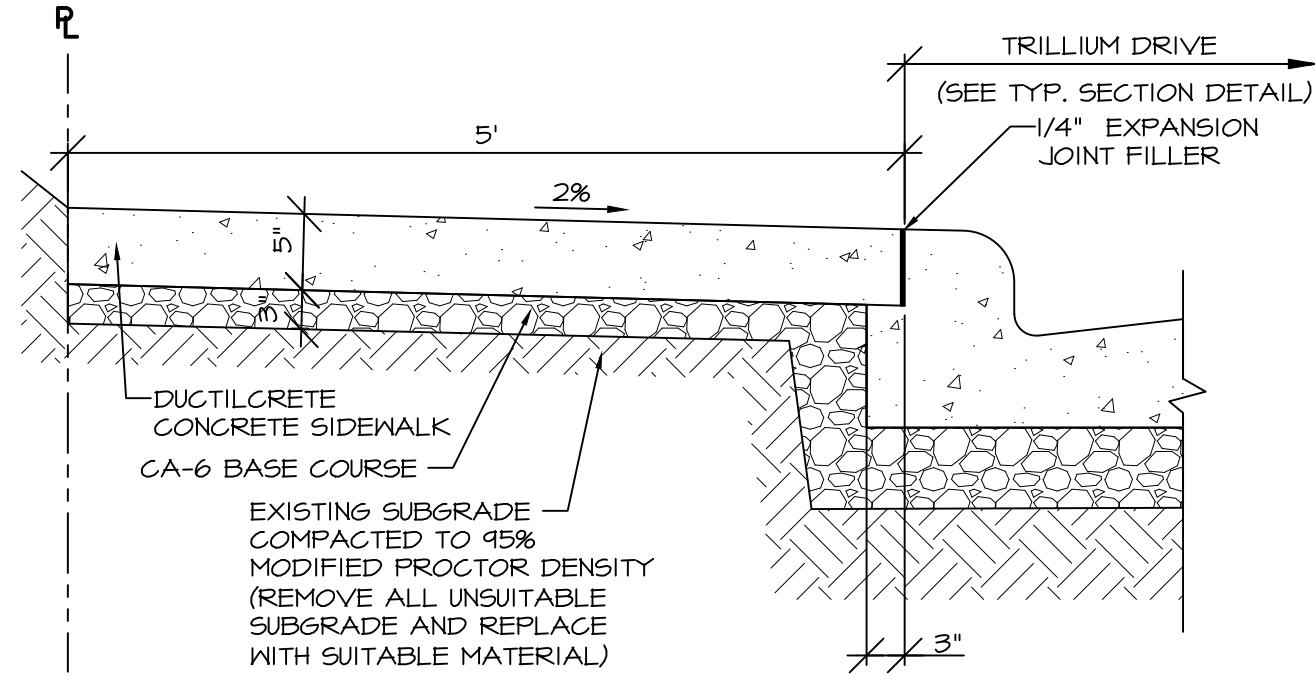
DETAIL - 8" CONCRETE PAVEMENT

NOT TO SCALE



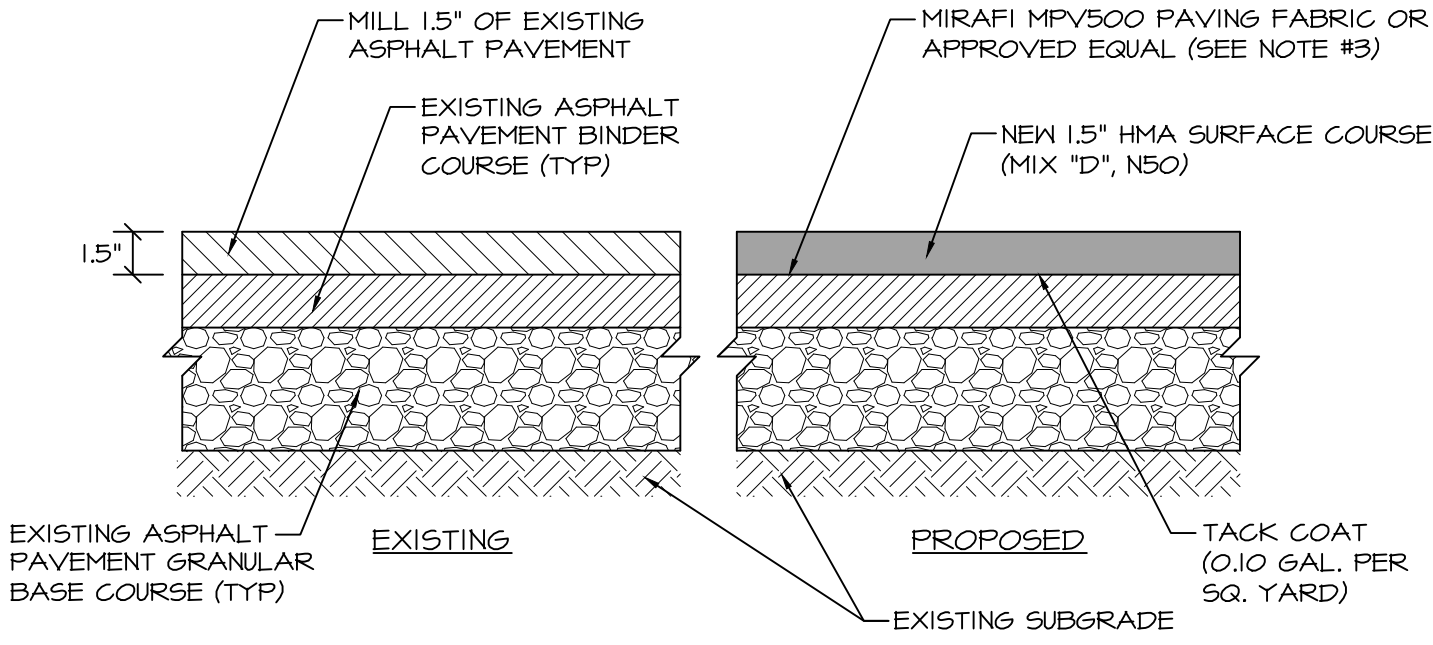
DETAIL - 5" DUCTILCRETE SIDEWALK

NOT TO SCALE



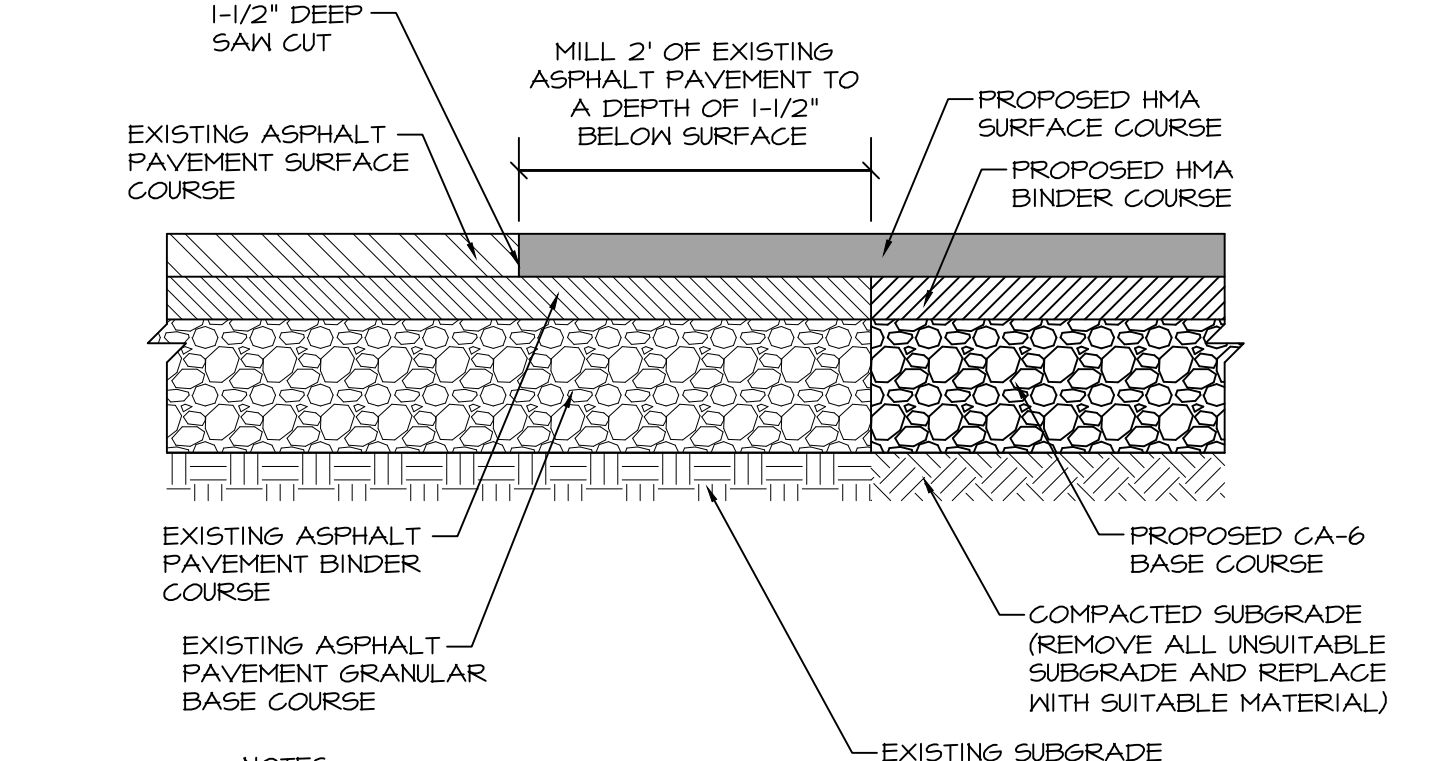
TRILLIUM DRIVE SIDEWALK

NOT TO SCALE



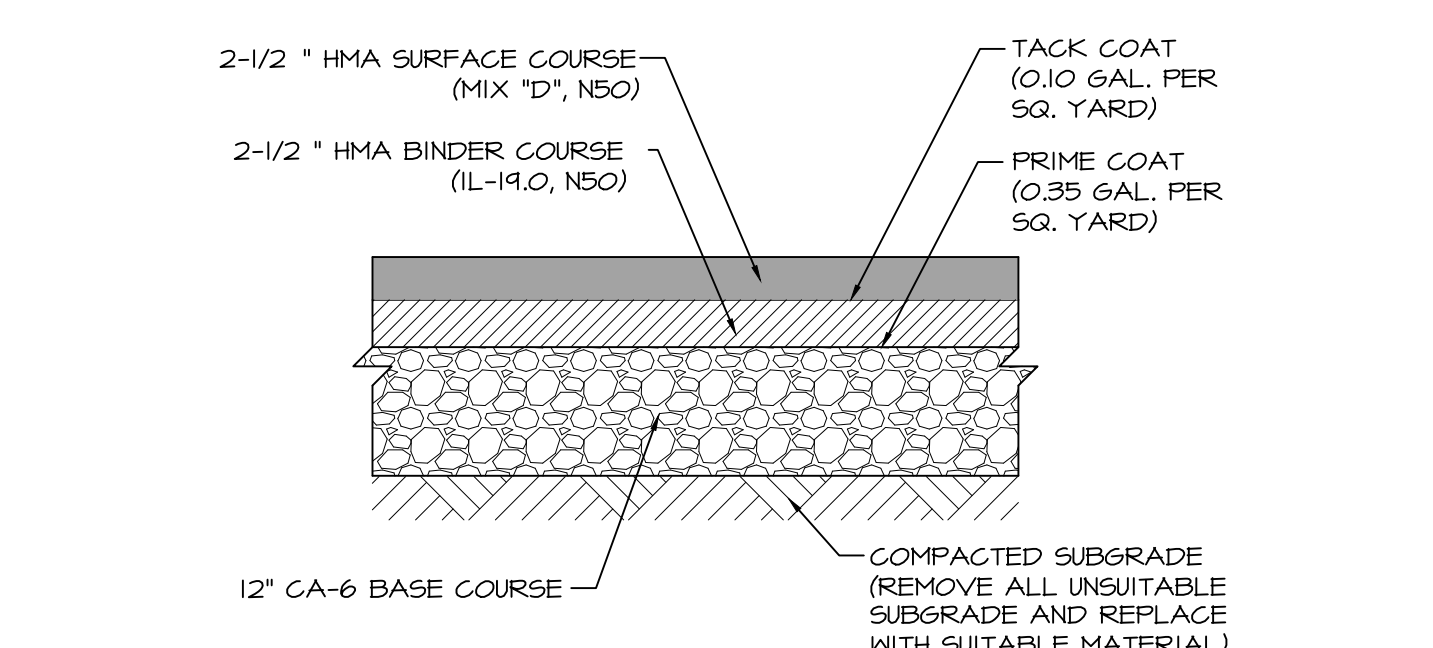
DETAIL - ASPHALT PAVEMENT MILL AND OVERLAY

NOT TO SCALE



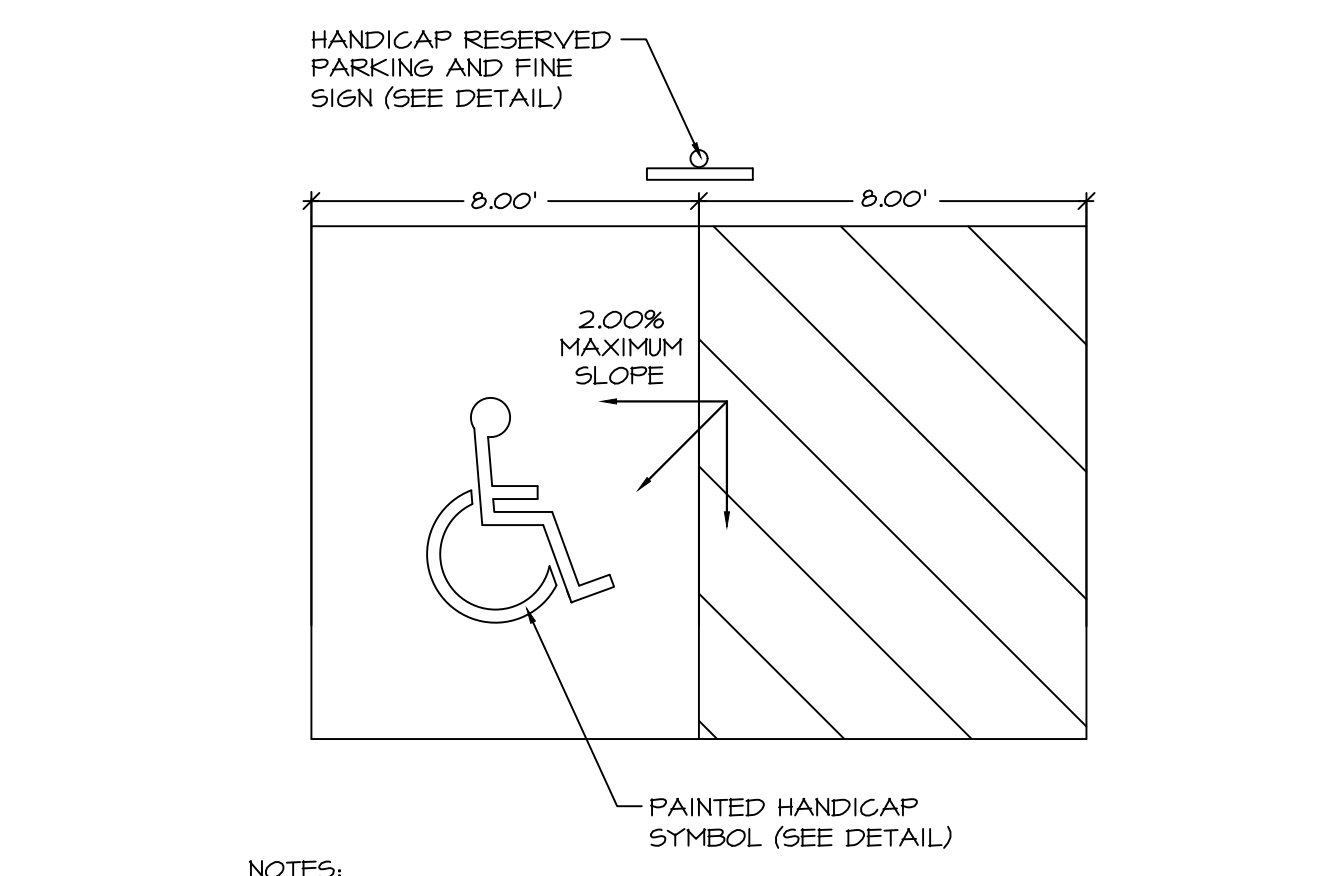
DETAIL - BUTT JOINT

NOT TO SCALE



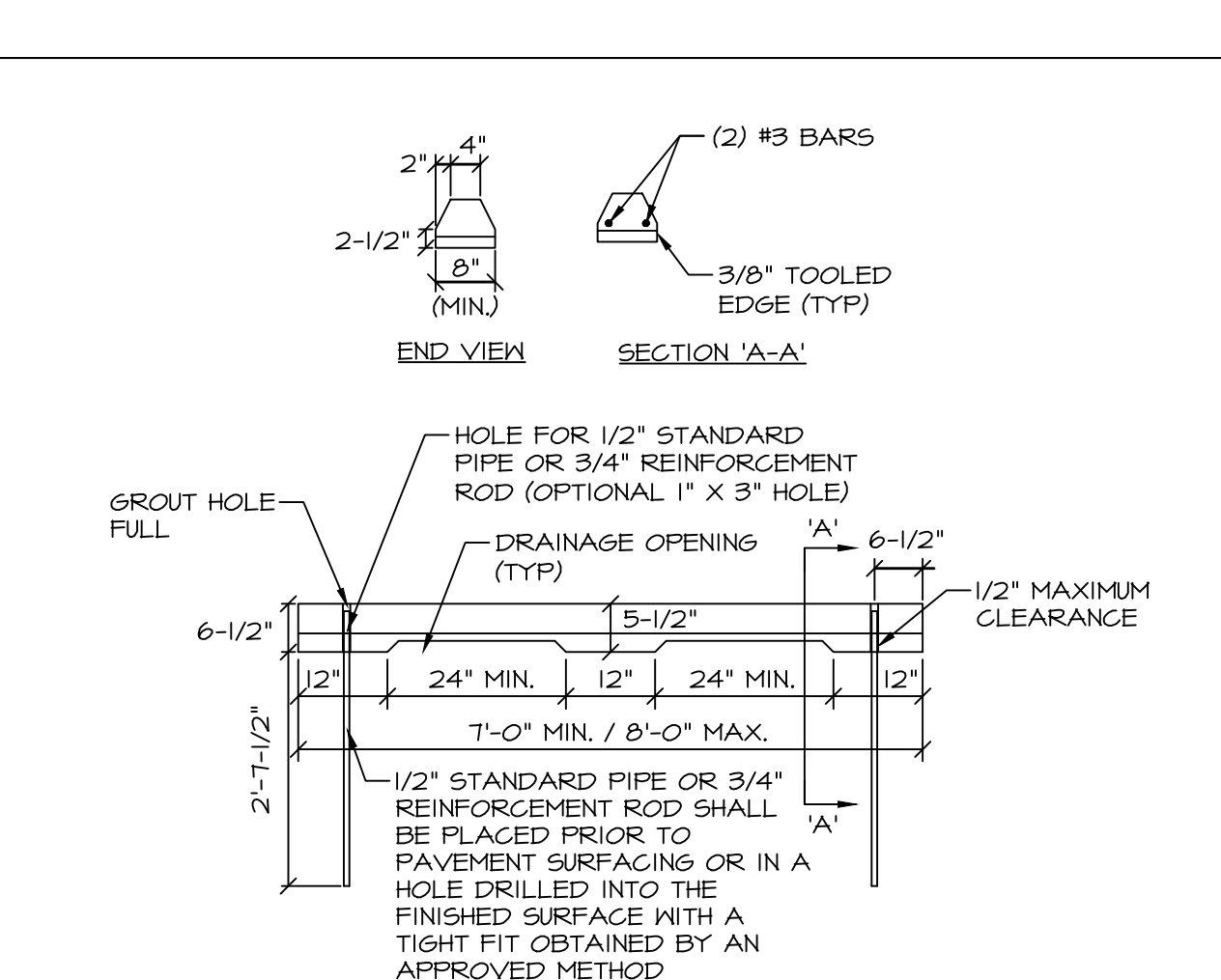
DETAIL - HEAVY DUTY ASPHALT PAVEMENT

NOT TO SCALE



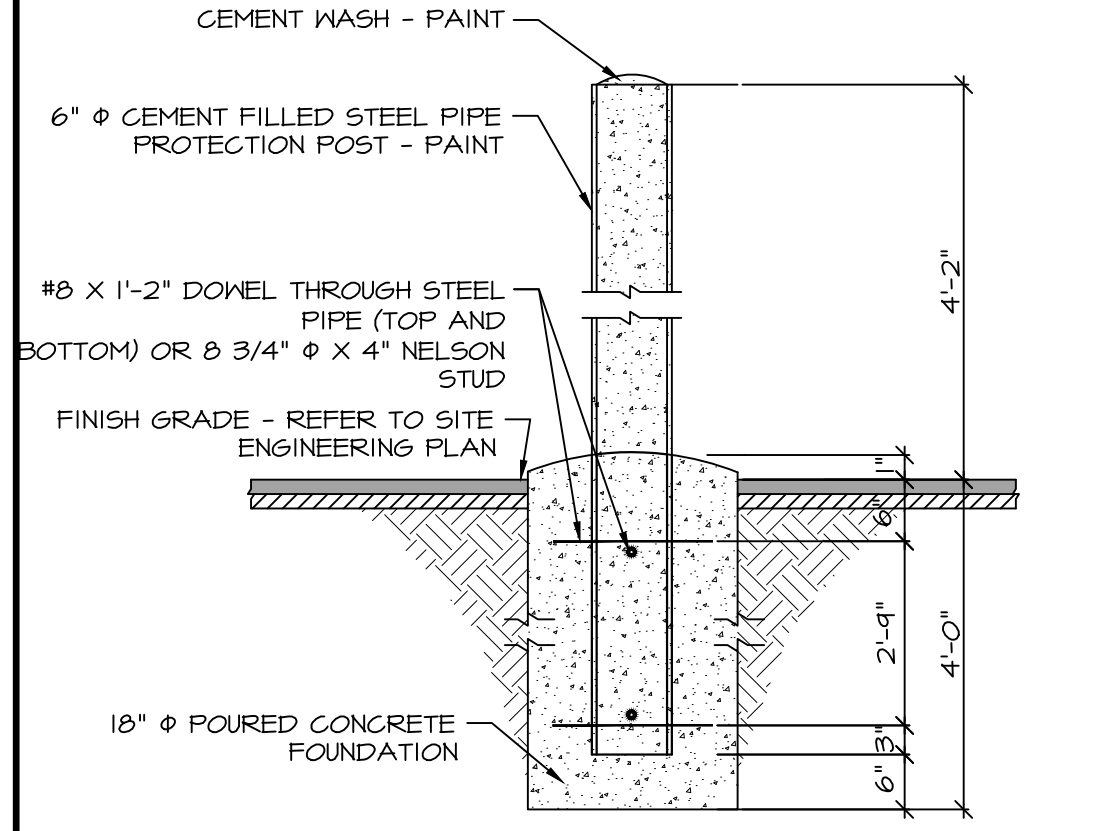
DETAIL - ACCESSIBLE PARKING STALL

NOT TO SCALE



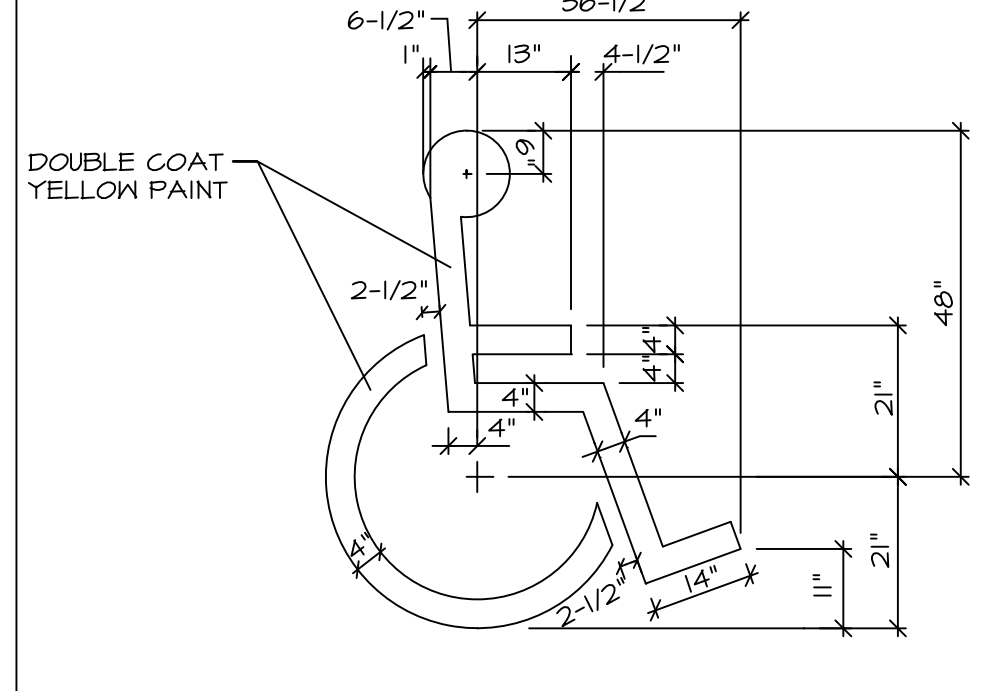
DETAIL - CONCRETE WHEEL STOP

NOT TO SCALE



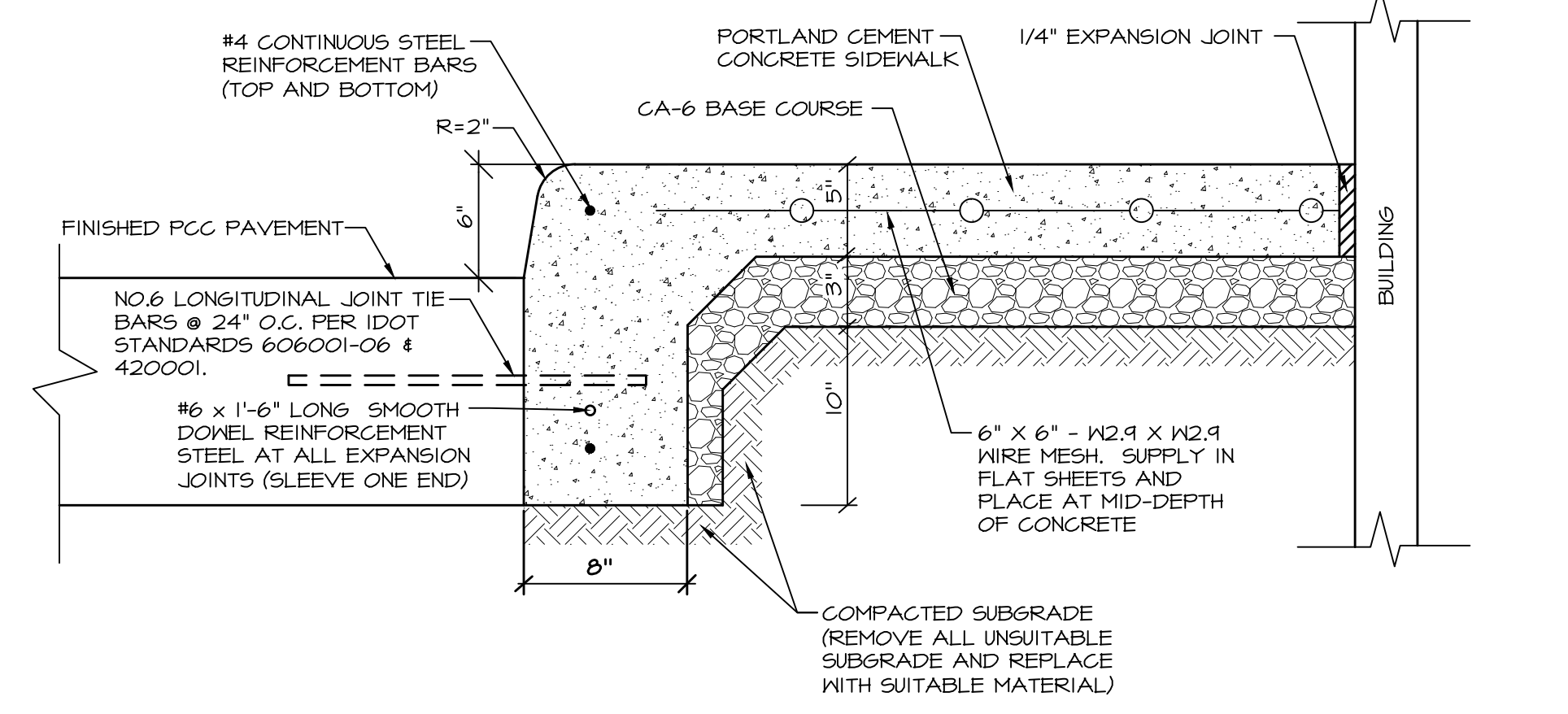
DETAIL - CONCRETE BOLLARD

NOT TO SCALE



DETAIL - ACCESSIBLE SYMBOL

NOT TO SCALE



DETAIL - MONOLITHIC CURB AND SIDEWALK

NOT TO SCALE

NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
6	PER DOT'S COMMENTS	8-18-2016	CMS
7	PER VILLAGE COMMENTS	11-14-2016	CMS
8	PER OWNER COMMENTS	04-07-2017	CMS
9	PER IDOT COMMENTS	05-24-2017	CMS

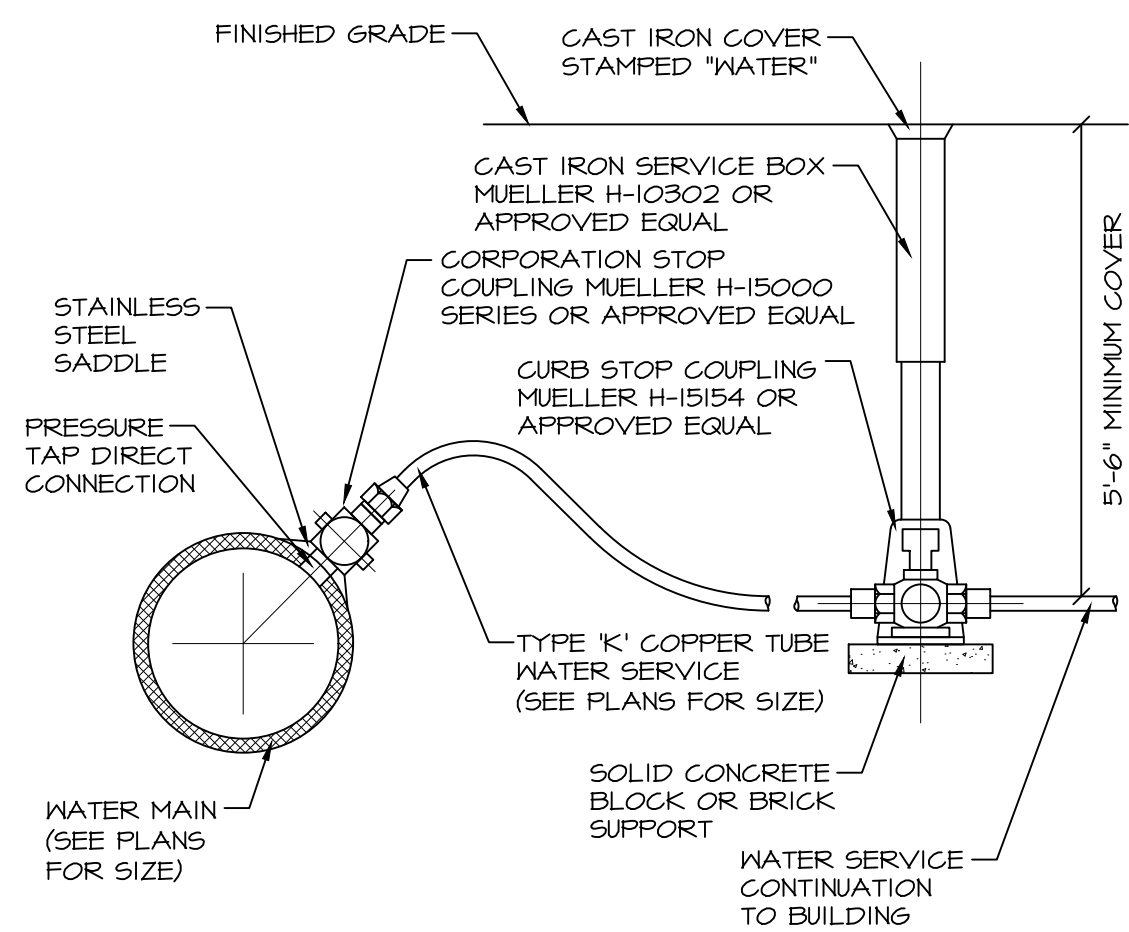
CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
 2875 PRATUM AVE.
 HOFFMAN ESTATES, ILLINOIS 60192
 WWW.CDSGROUP.COM
 TEL: 815.383.8888
 FAX: 815.383.8888
 3110 PRINCETON DRIVE, FARMING, IL 60120

GLOGOVSKY OIL COMPANY
 C-STORE
 SWC TYRRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

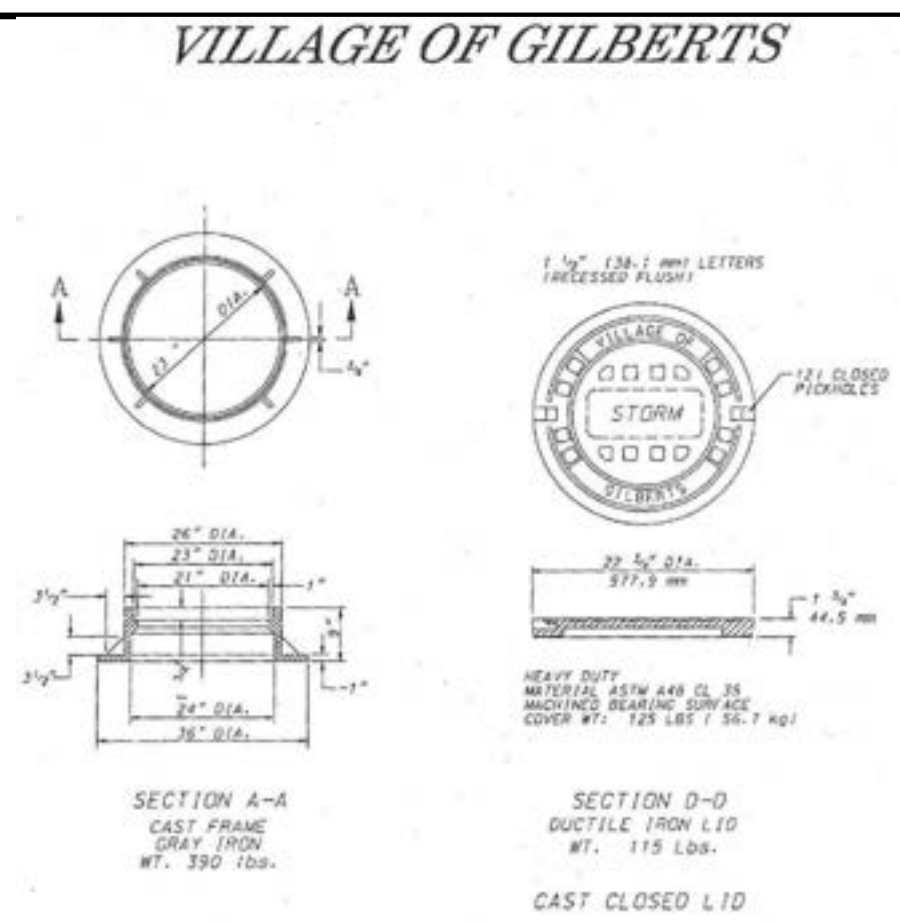
CONSTRUCTION DETAILS

W-T CIVIL ENGINEERING, LLC.
 CIVIL AND STRUCTURAL ENGINEERS
 2675 Pratum Avenue
 Hoffman Estates, Illinois 60192
 PH: (224) 293-6333 FAX: (224) 293-6444
 www.wtengineering.com
 IL License No.: 184.007570-0015 Exp: 04/30/19

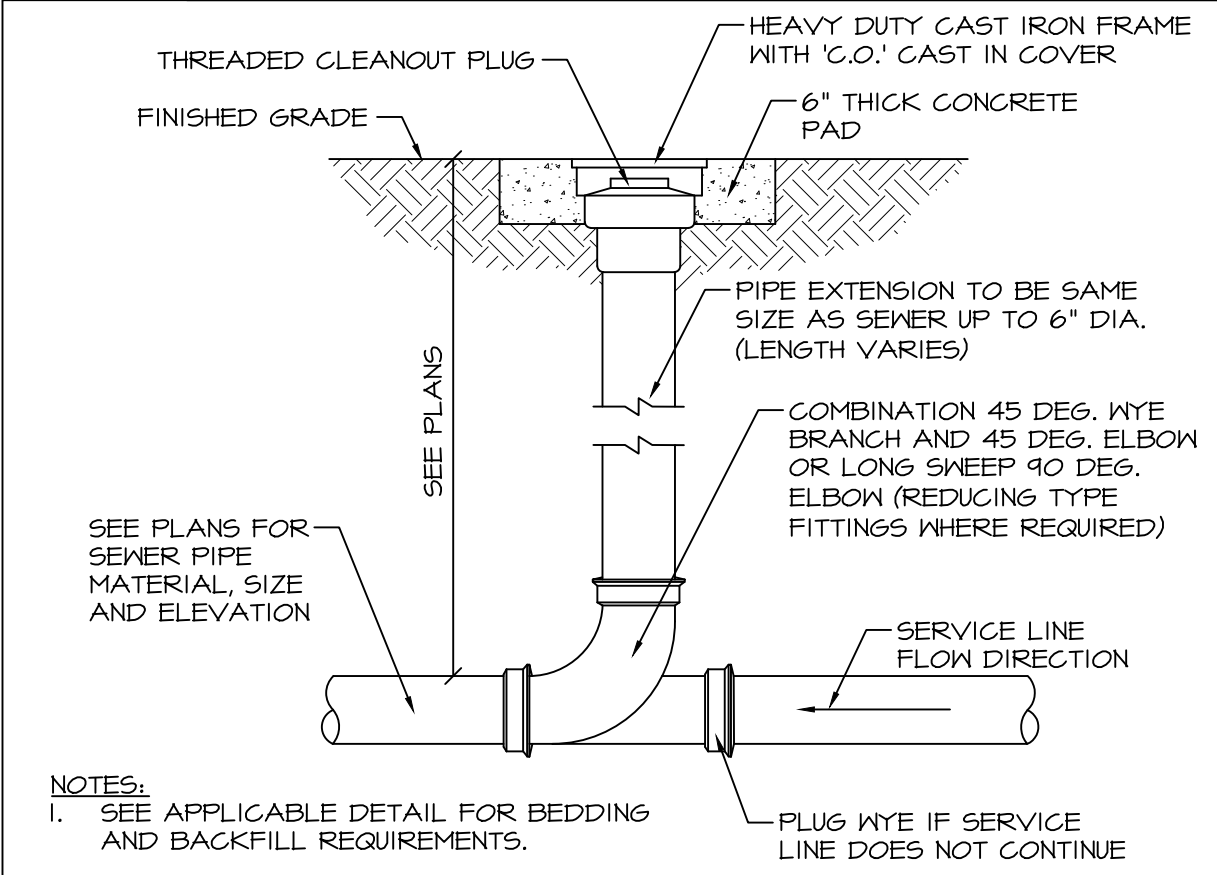
START DATE:	12-17-15
SCALE:	AS SHOWN
DRAWN:	CMS
CHECK:	JEG
JOB:	CE15072
SHEET:	C-7.0



DETAIL - WATER SERVICE
NOT TO SCALE



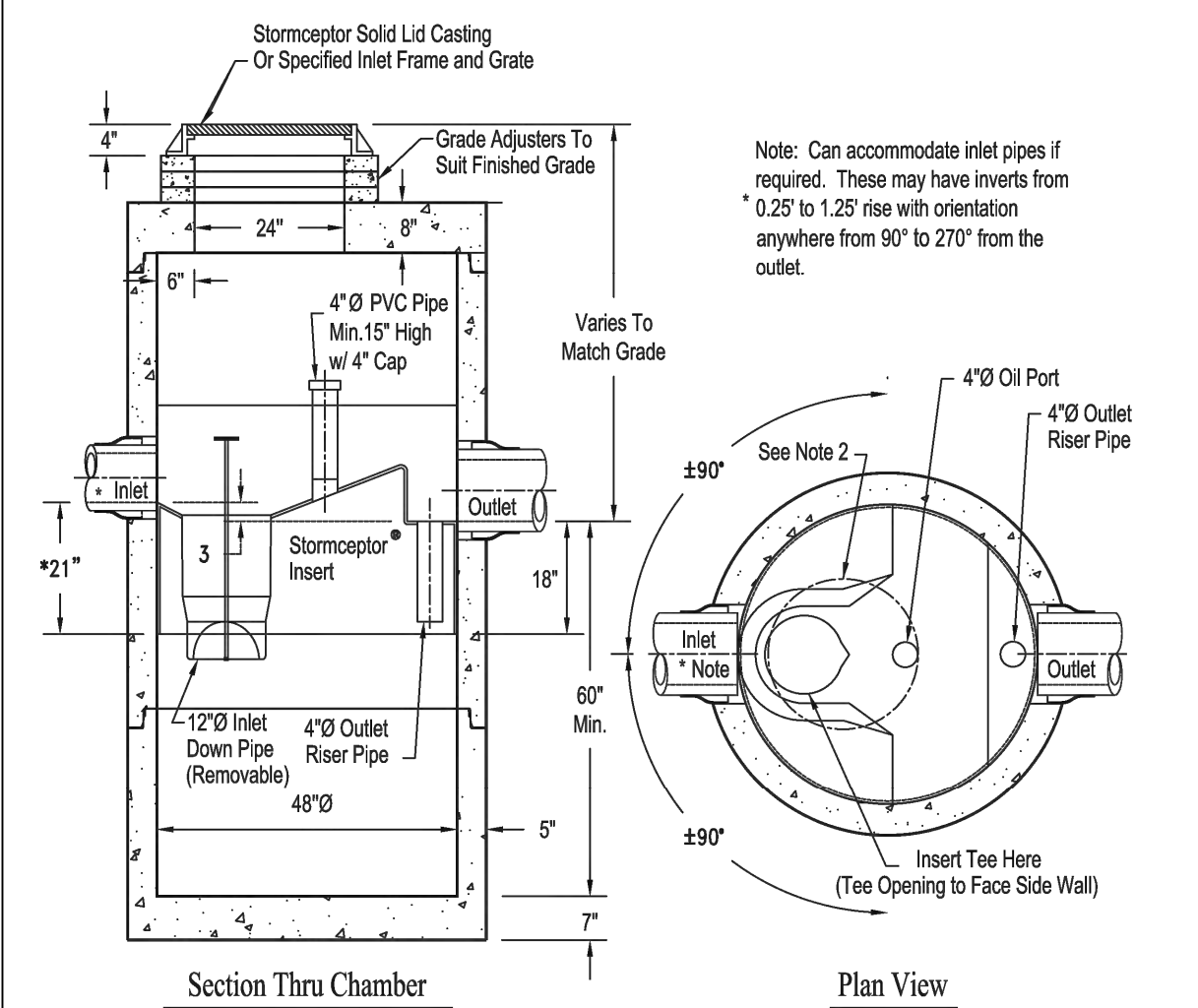
STORM FRAME AND LID
NOT TO SCALE



DETAIL - CLEAN OUT
NOT TO SCALE

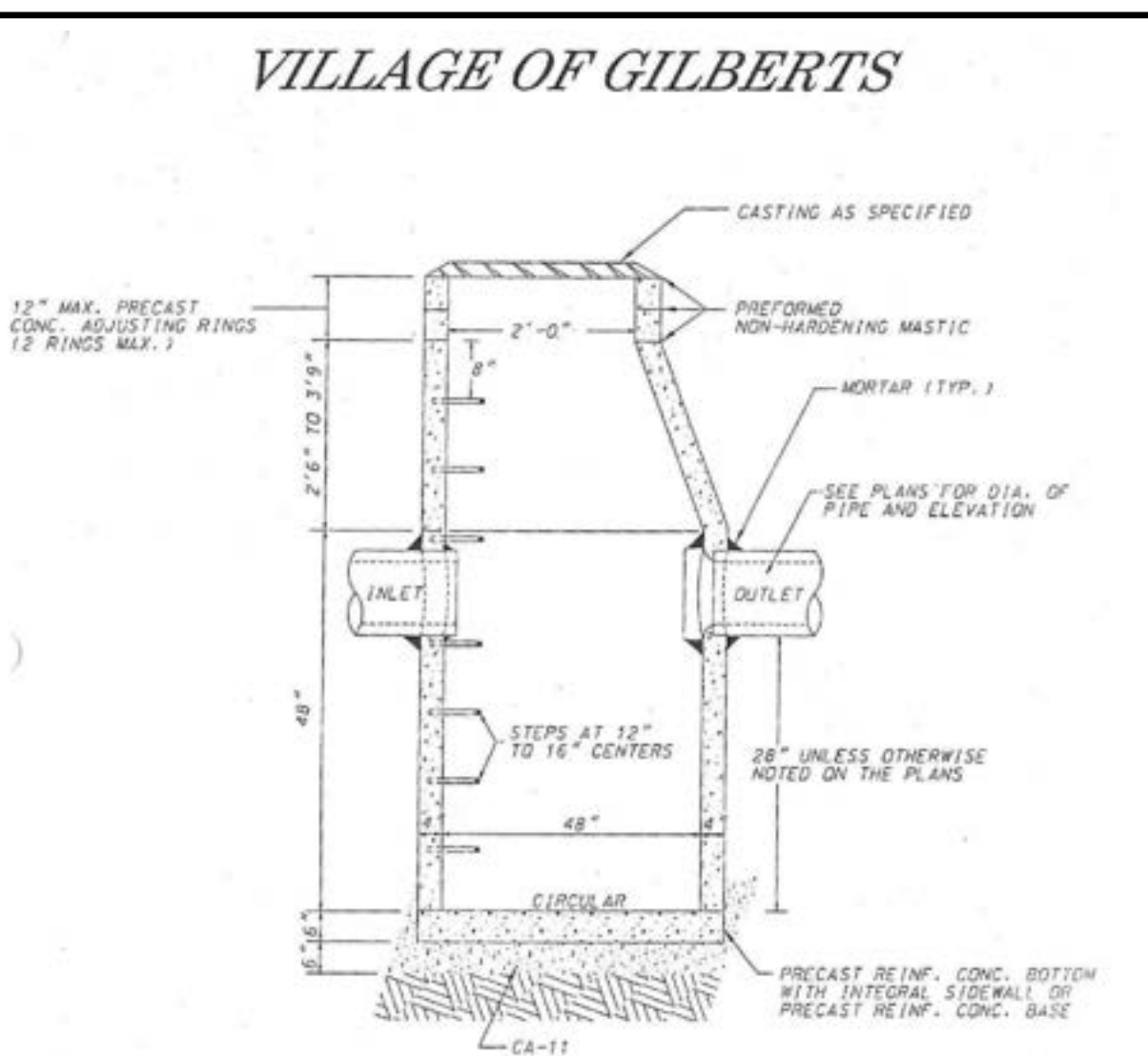
Rinker Stormceptor - Serving the Midwest
Daniel C. Thomson@Cemex.com

STC 450i Precast Concrete Stormceptor®
(450 U.S. Gallon Capacity)

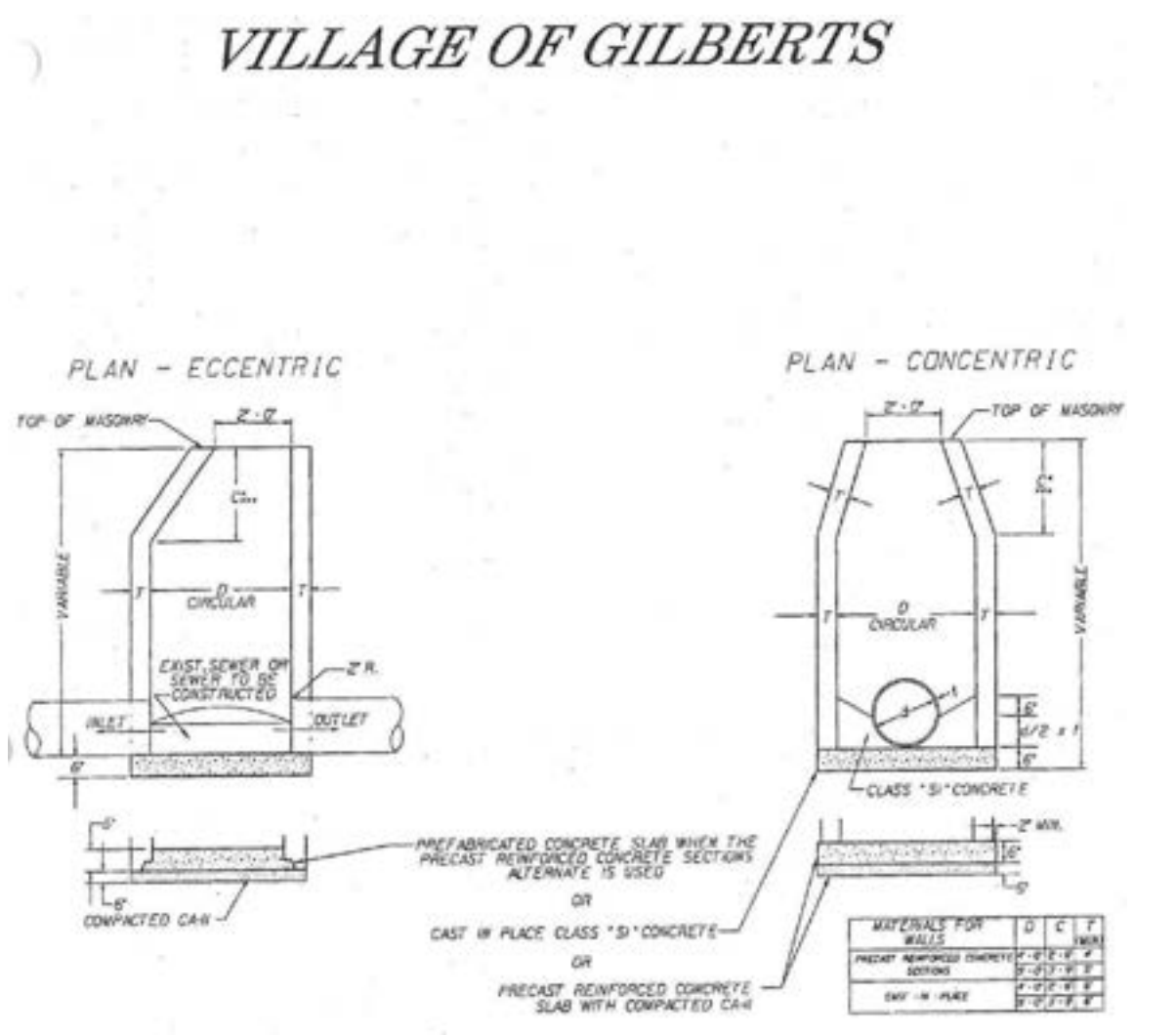


- Notes:
1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
 2. The Cover Should be Positioned Over The Inlet Drop Pipe and The Oil Port.
 3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
 4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.

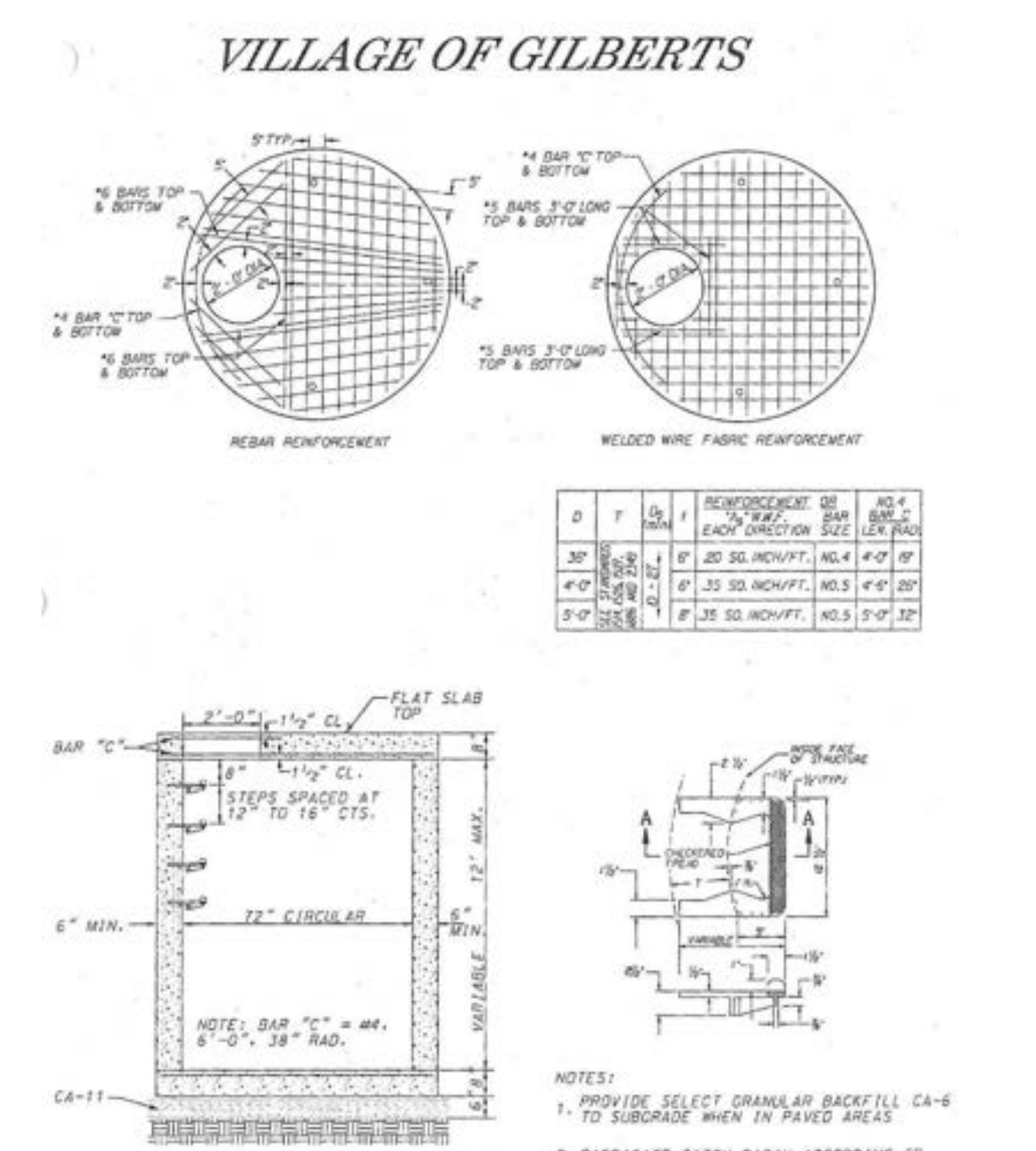
Rinker 0712 Mw



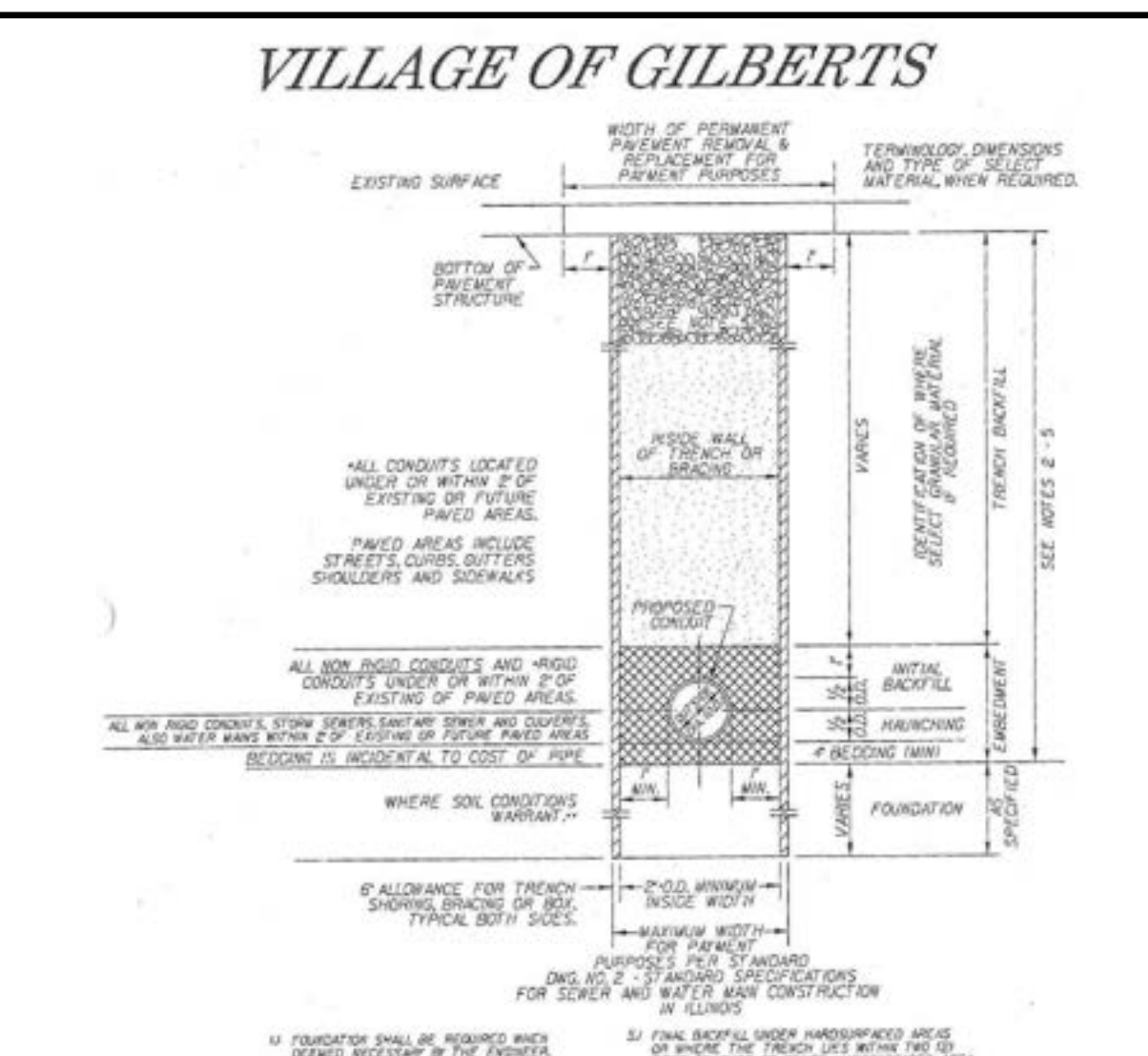
CATCH BASIN TYPE D
NOT TO SCALE



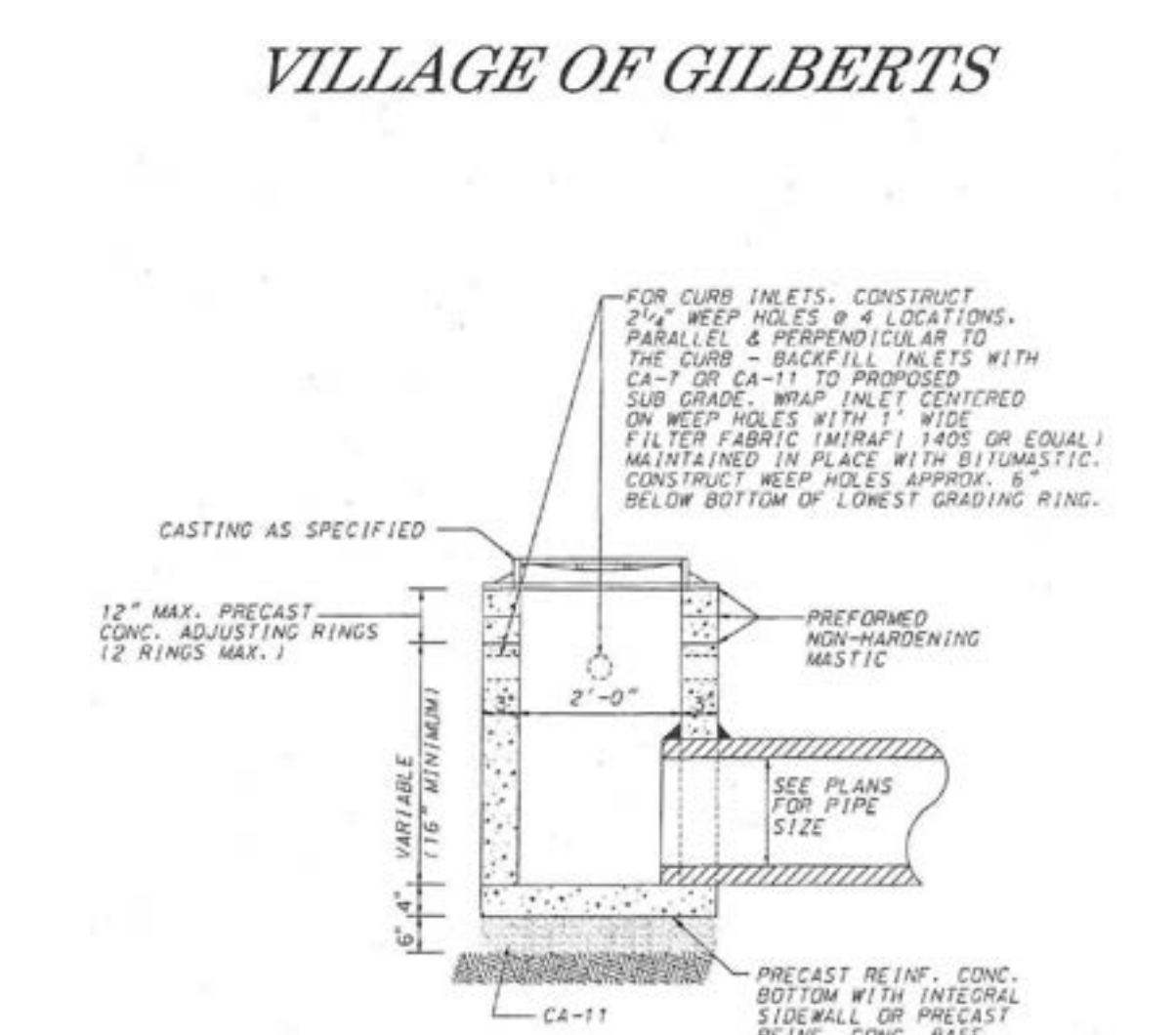
MANHOLE TYPE A
NOT TO SCALE



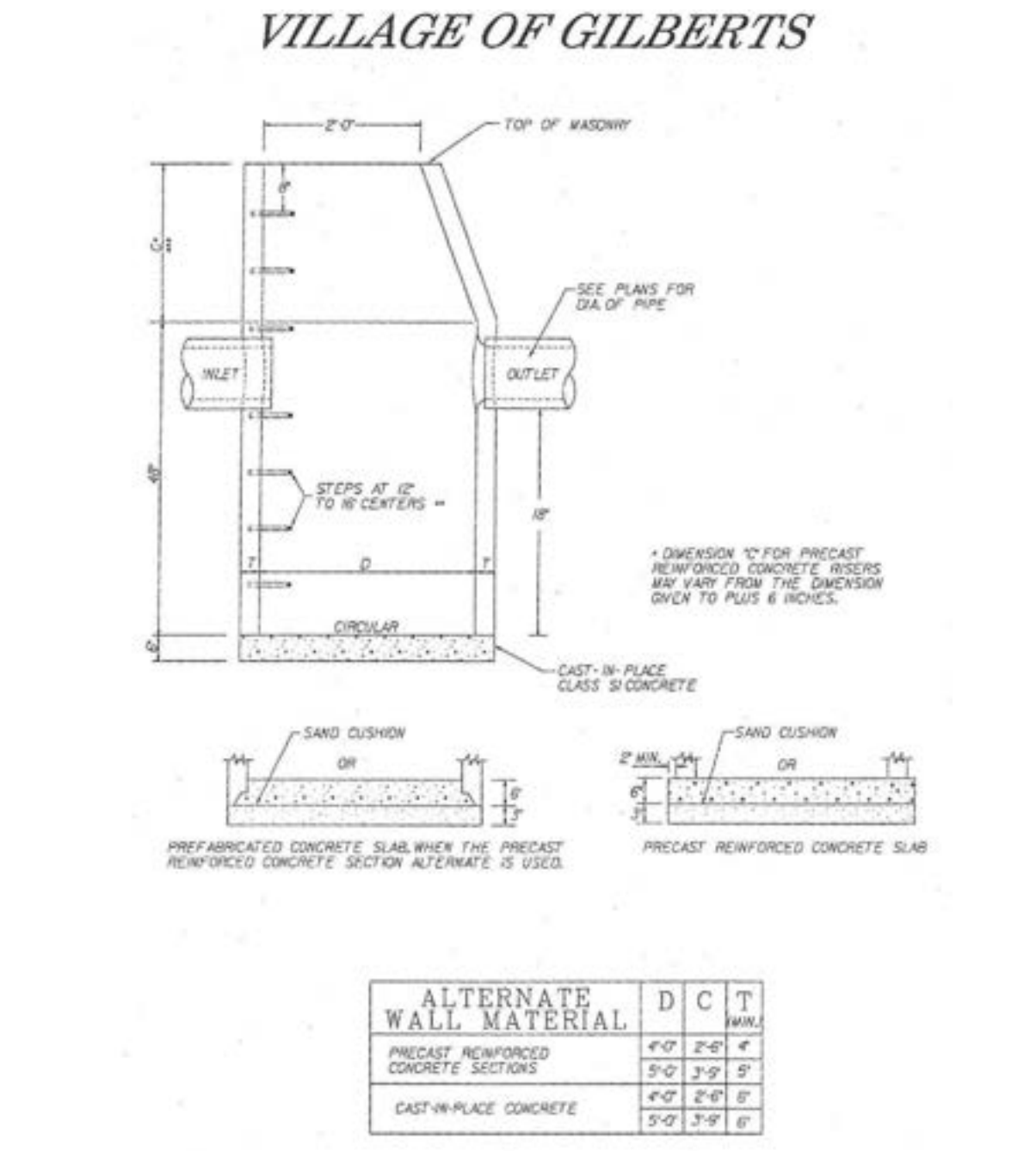
FLAT TOP MANHOLE
NOT TO SCALE



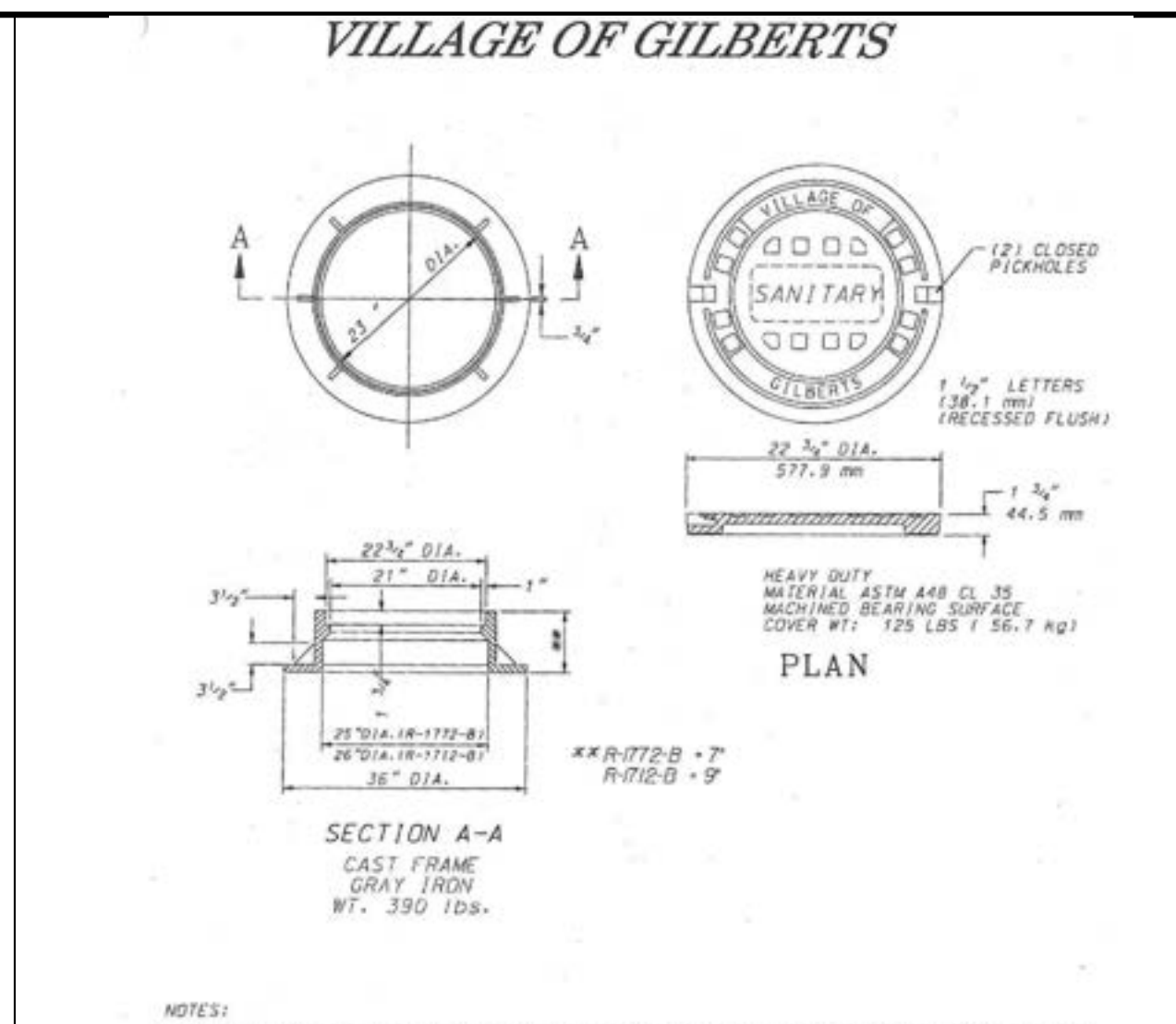
TYPICAL DETAIL OF CONDUIT INSTALLATION
NOT TO SCALE



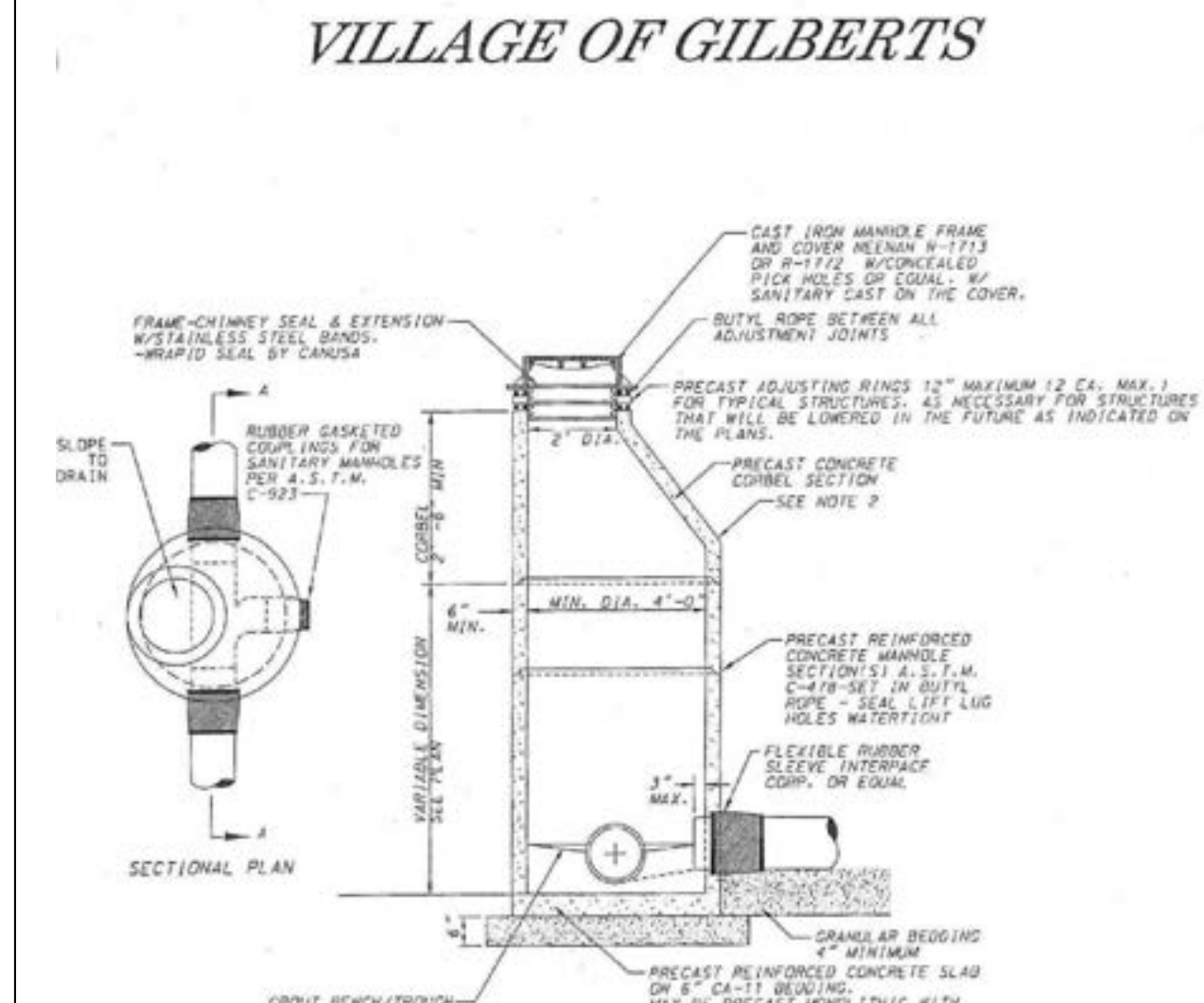
TYPE A INLET
NOT TO SCALE



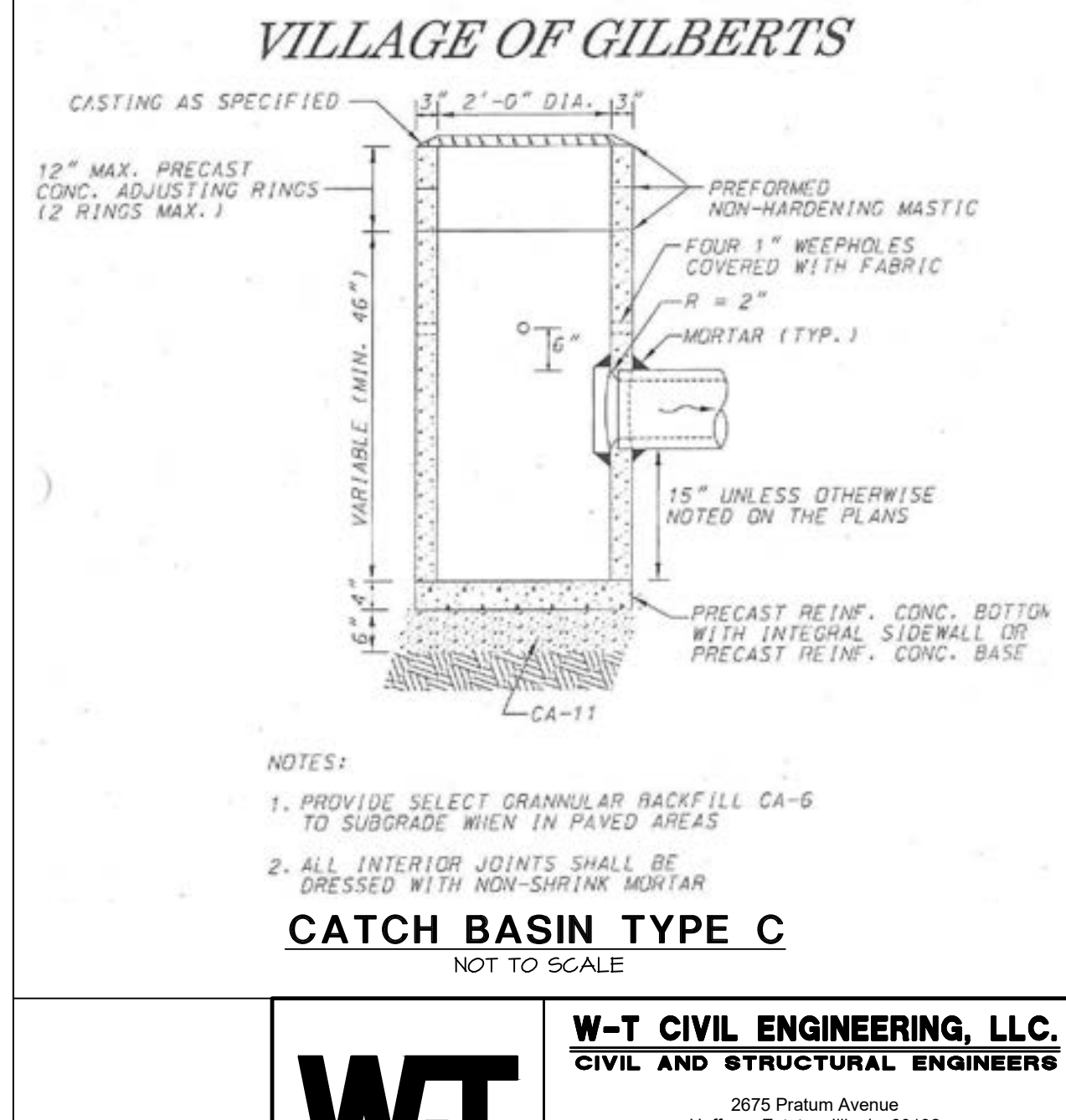
CATCH BASIN TYPE A
NOT TO SCALE



SANITARY FRAME & LID DETAIL
NOT TO SCALE



SANITARY MANHOLE TYPE A
NOT TO SCALE



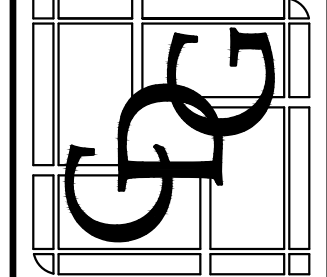
CATCH BASIN TYPE C
NOT TO SCALE

W-T CIVIL ENGINEERING, LLC.
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7	PER VILLAGE COMMENTS	11-14-2016	CMS
8	PER OWNER COMMENTS	04-07-2017	CMS
9	PER IDOT COMMENTS	05-24-2017	CMS

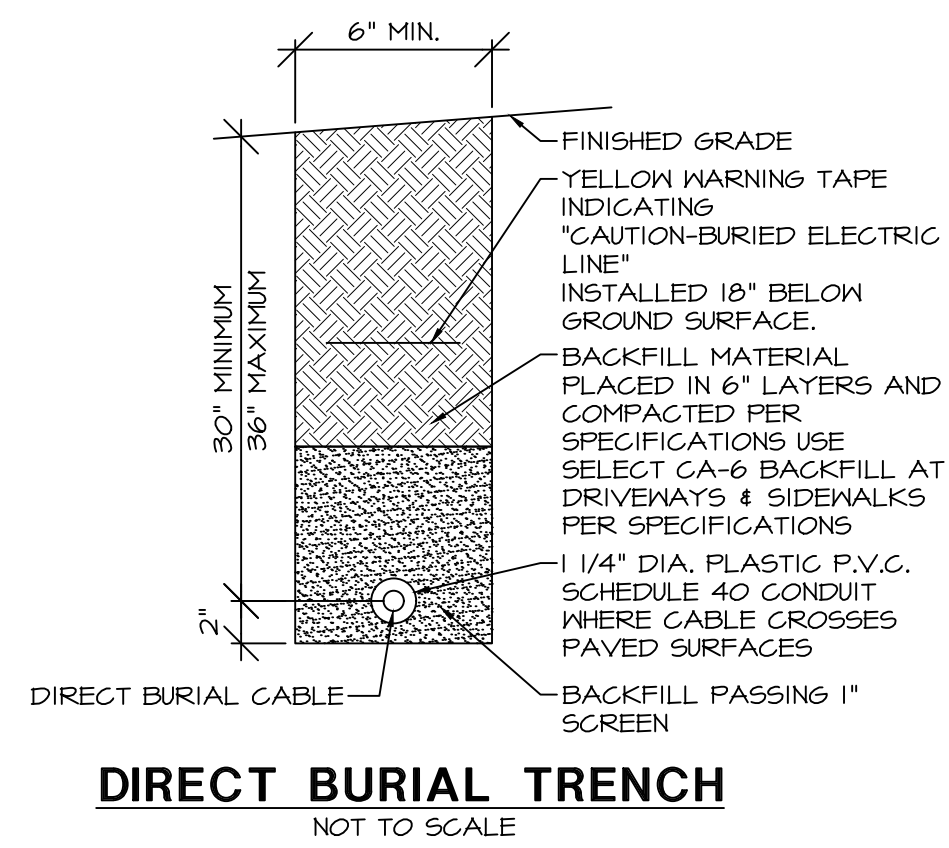
CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
2675 PRATUM AVE.
HOFFMAN ESTATES, ILLINOIS 60192
WWW.CDGD.COM
PAX 224.293.6866
E: PROJECTS@CDGD.COM



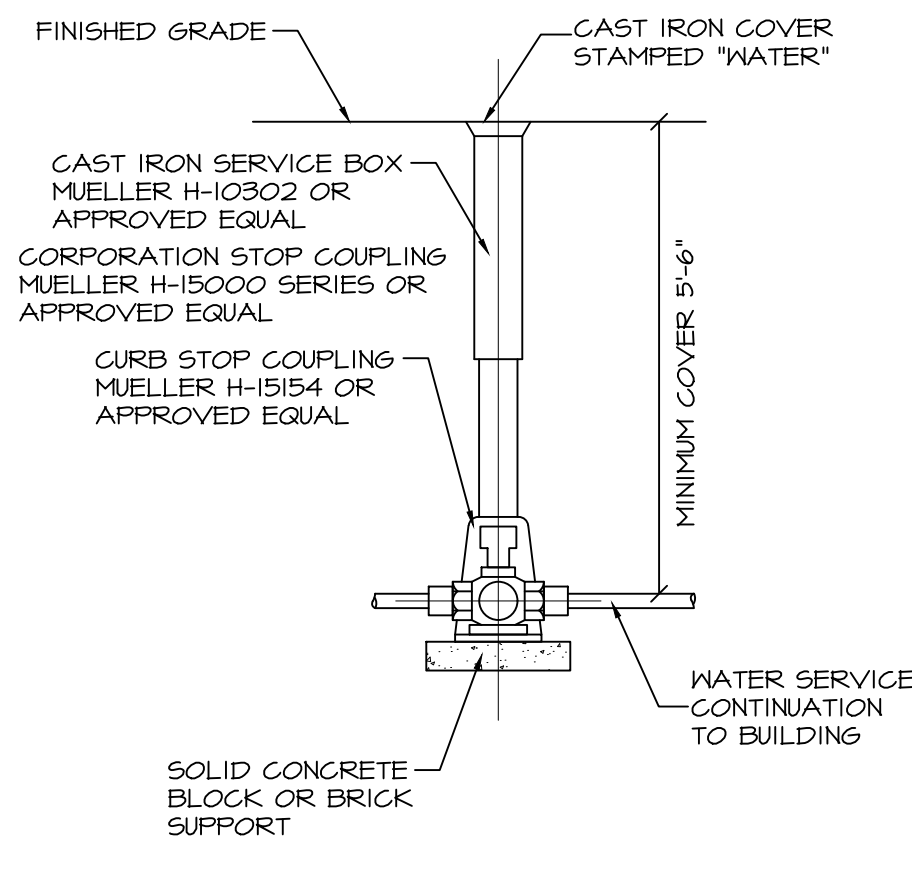
GLOGOVSKY OIL COMPANY
C-STORE
SWC TYRRELL & ILLINOIS ROUTE 72
(HIGGINS RD.)
GILBERTS, IL 60136

CONSTRUCTION DETAILS

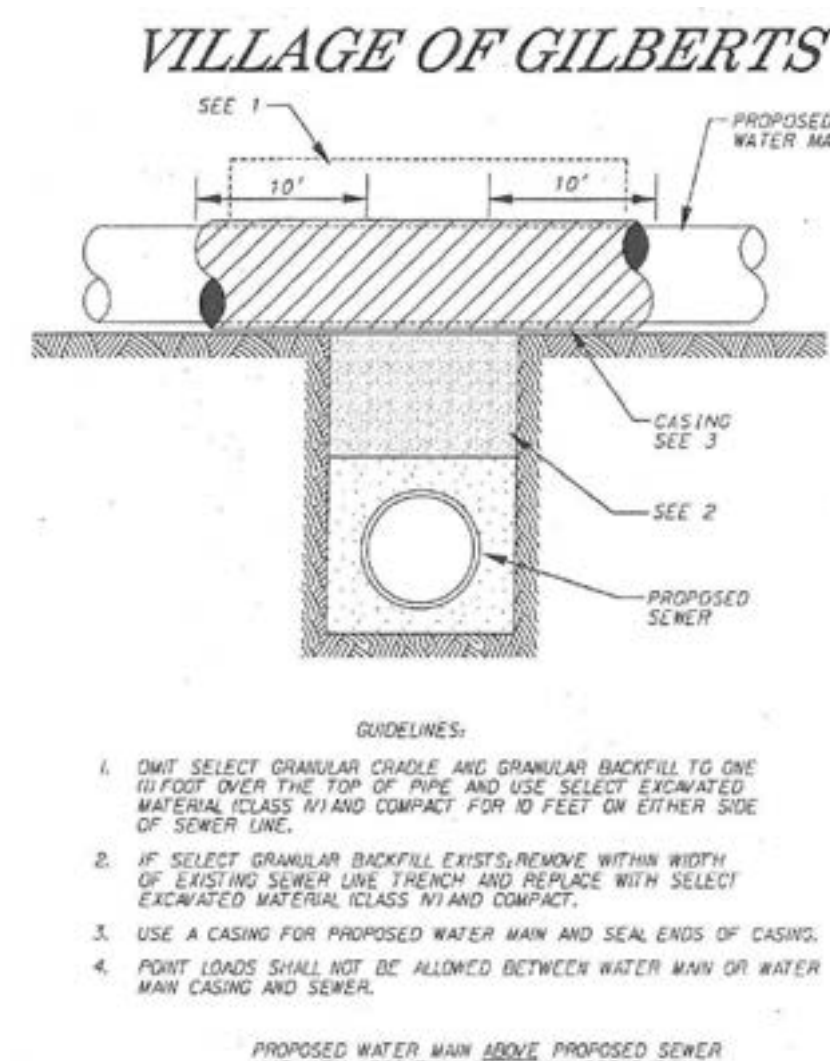
START DATE: 12-17-15
SCALE: AS SHOWN
DRAWN: CMS
CHECK: JEG
JOB: CE15072
SHEET: C-7.1



DIRECT BURIAL TRENCH
NOT TO SCALE



DETAIL - WATER VALVE IN BOX
NOT TO SCALE



WATER AND SEWER SEPERATION
NOT TO SCALE

VILLAGE OF GILBERTS

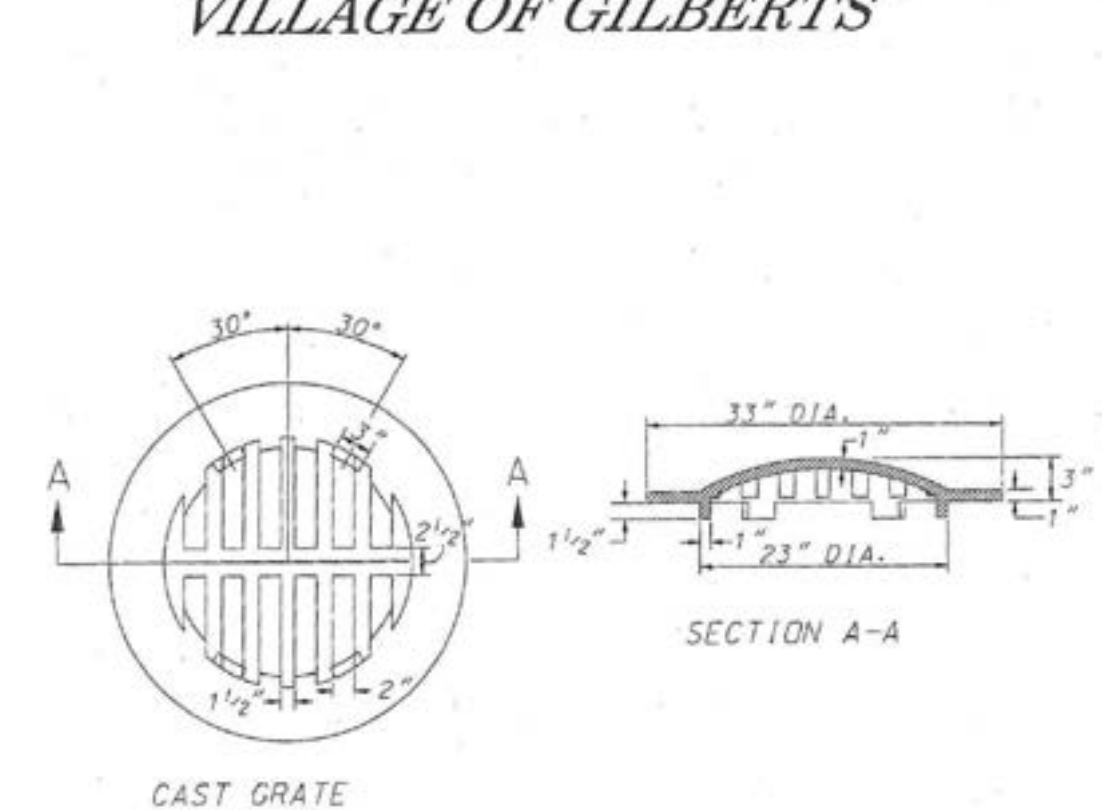
Minimum Restraint Lengths (in feet) back from both sides of fitting

Fitting type/nominal size	4"	6"	8"	10"	12"	16"
90 Degree Bend	17	25	32	38	45	59
45 Degree Bend	7	10	13	16	19	24
22.5 Degree Bend	3	5	6	8	9	12
11.25 Degree Bend	2	2	3	4	4	6
Dead End	39	55	73	87	103	134
Top Side Vertical Offset # (45 Degree)	16	23	30	36	43	55
Bottom Side Vertical Offset # (45 Degree)	4	6	8	10	11	15

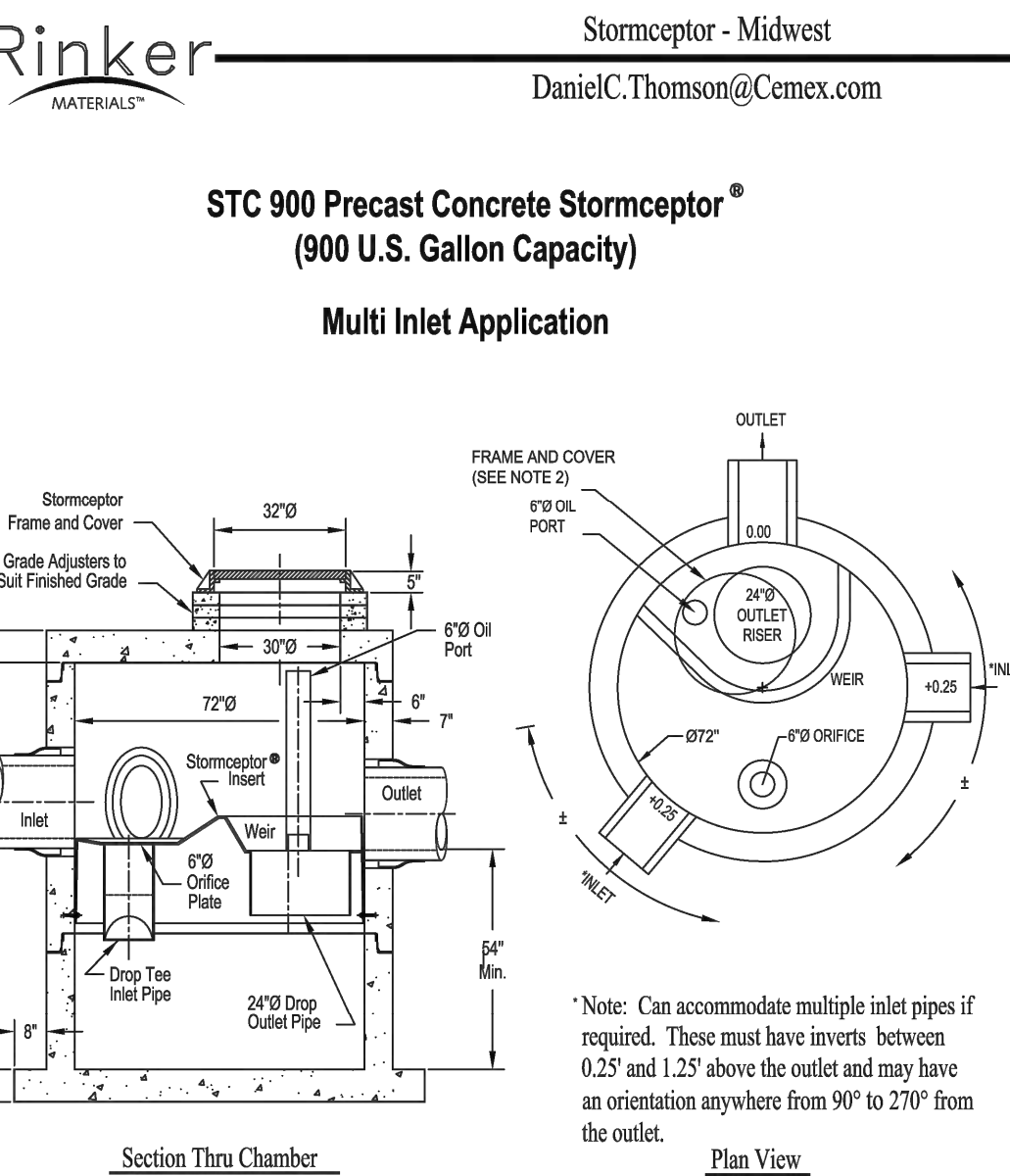
TEE RUN X BRANCH **

Reducer ***	6" by	1	17
Reducer ***	8" by	1	5
Reducer ***	10" by	1	24
Reducer ***	12" by	1	15
Reducer ***	16" by	1	1
Reducer ***	8" by	28	
Reducer ***	8" by	52	30
Reducer ***	10" by	71	29
Reducer ***	12" by	90	55
Reducer ***	16" by	123	97

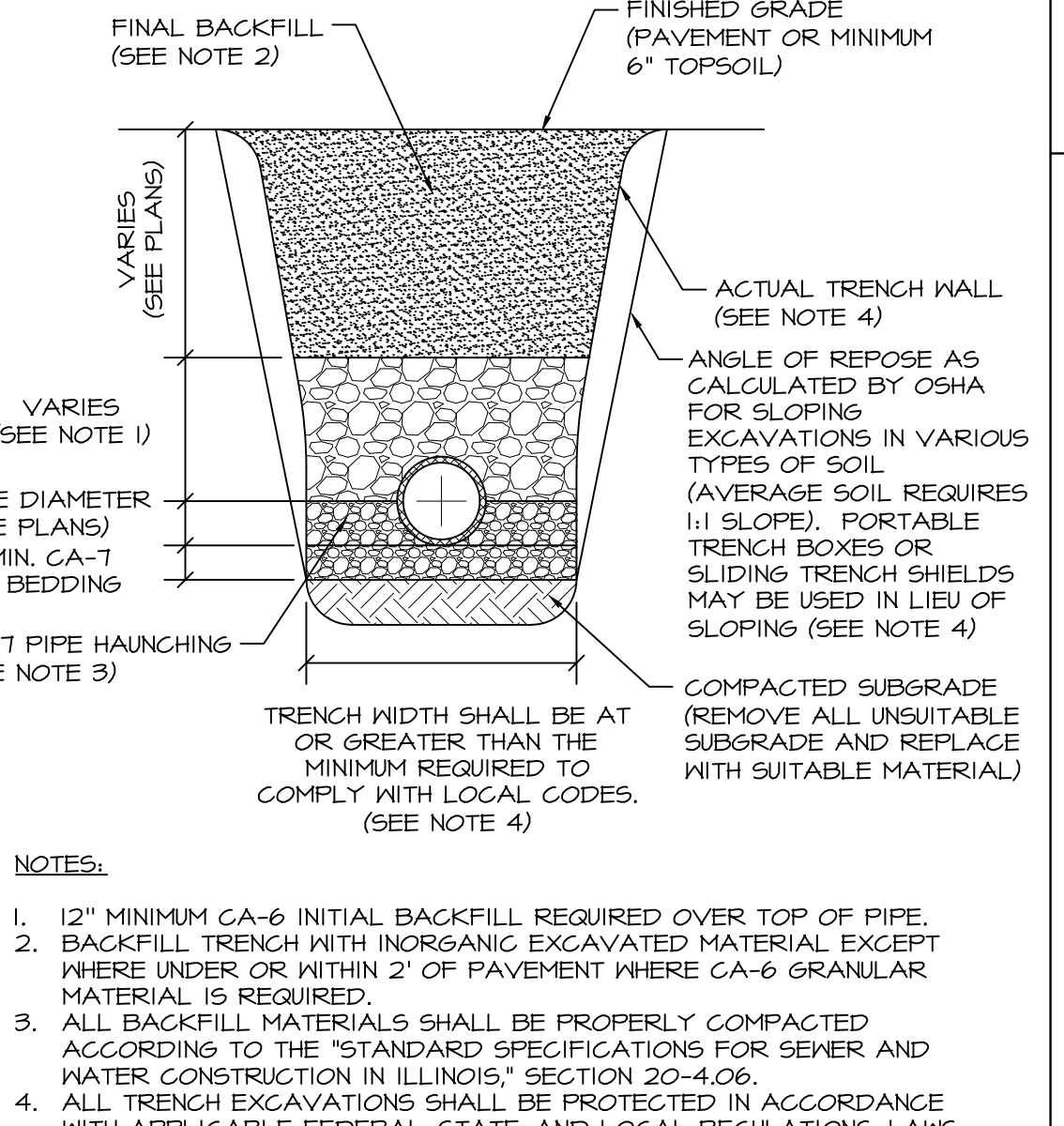
* Vertical offset with MINIMUM 10' of solid pipe between upper and lower bend.
** Tee with MINIMUM 10' solid pipe on both sides of run. Number indicates length of branch to be restrained.
*** Length back from Large End of Reducer.



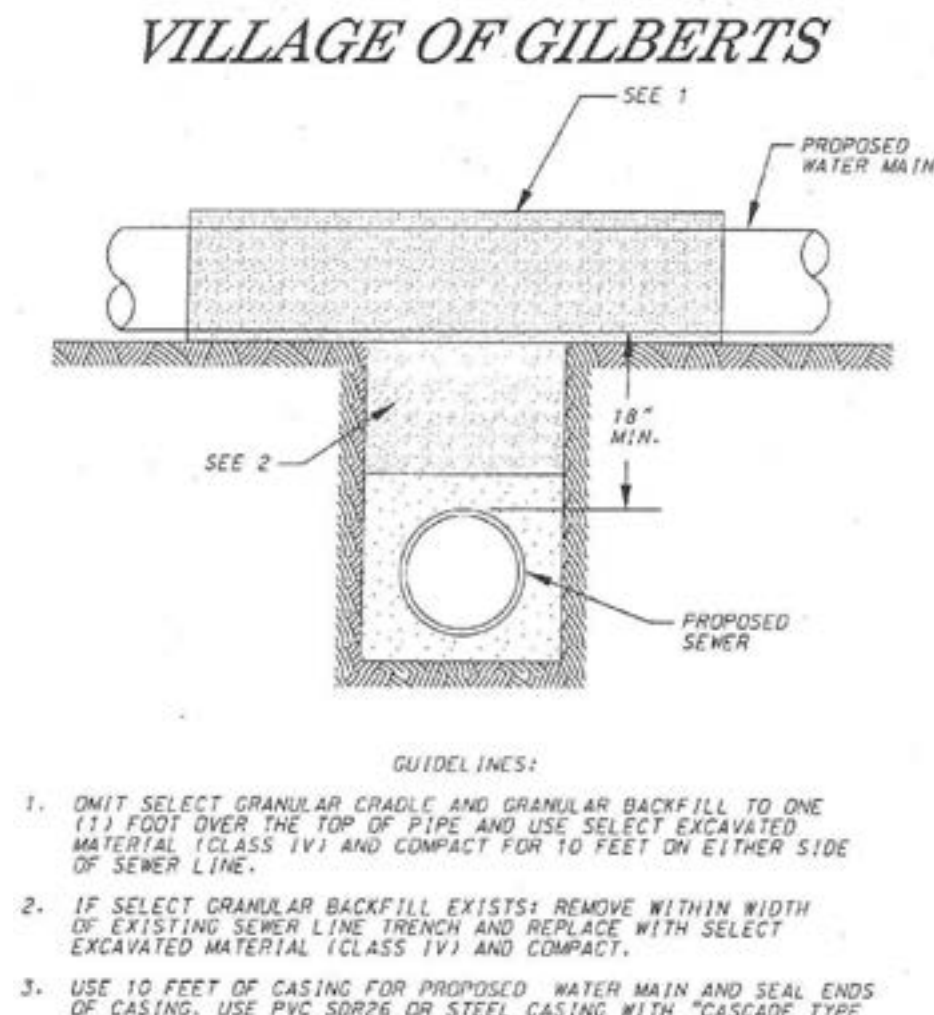
TYPE 8 GRATE
NOT TO SCALE



Notes:
1. The Use Of Flexible Connection is Recommended at the Inlet and Outlet Where Applicable.
2. The Cover Should be Positioned Over The Outlet Drop Pipe and The Oil Port.
3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498313, #5725760, #5753115, #5849181, #6068765, #6371660.
4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.



DETAIL - RIGID PIPE TRENCH
NOT TO SCALE



WATER AND SEWER SEPERATION
NOT TO SCALE

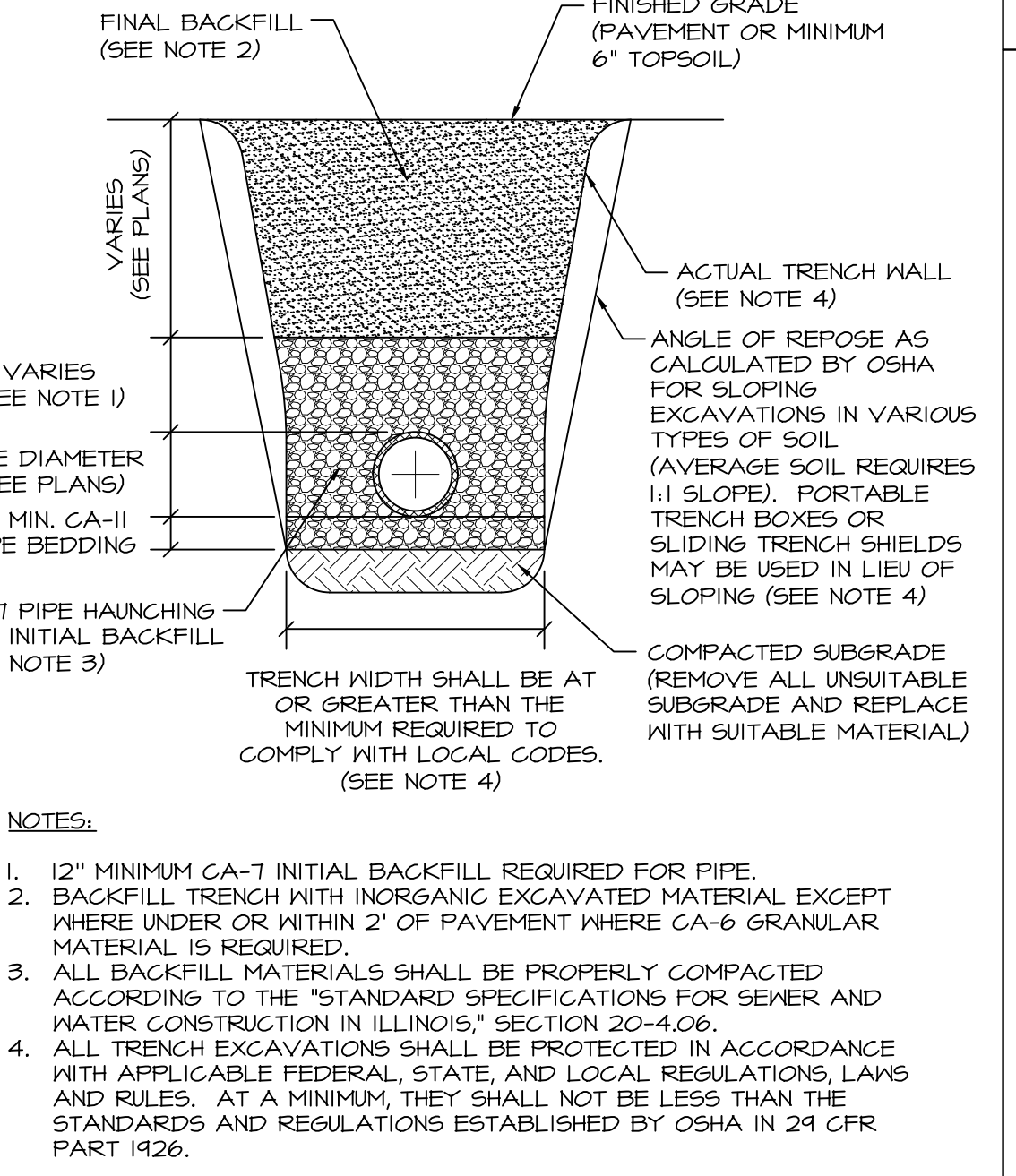
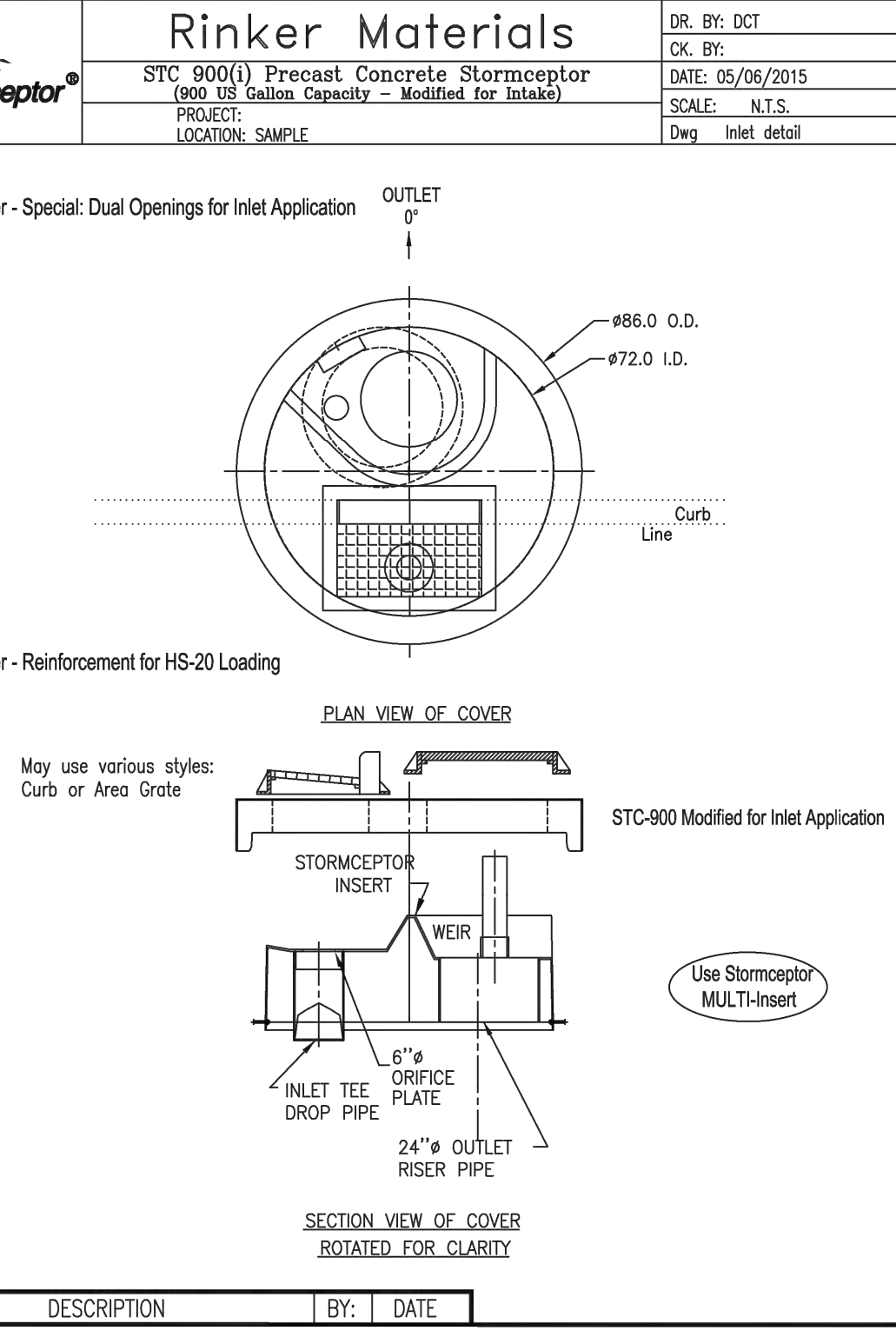
VILLAGE OF GILBERTS

WATER MAIN RESTRAINT
NOT TO SCALE

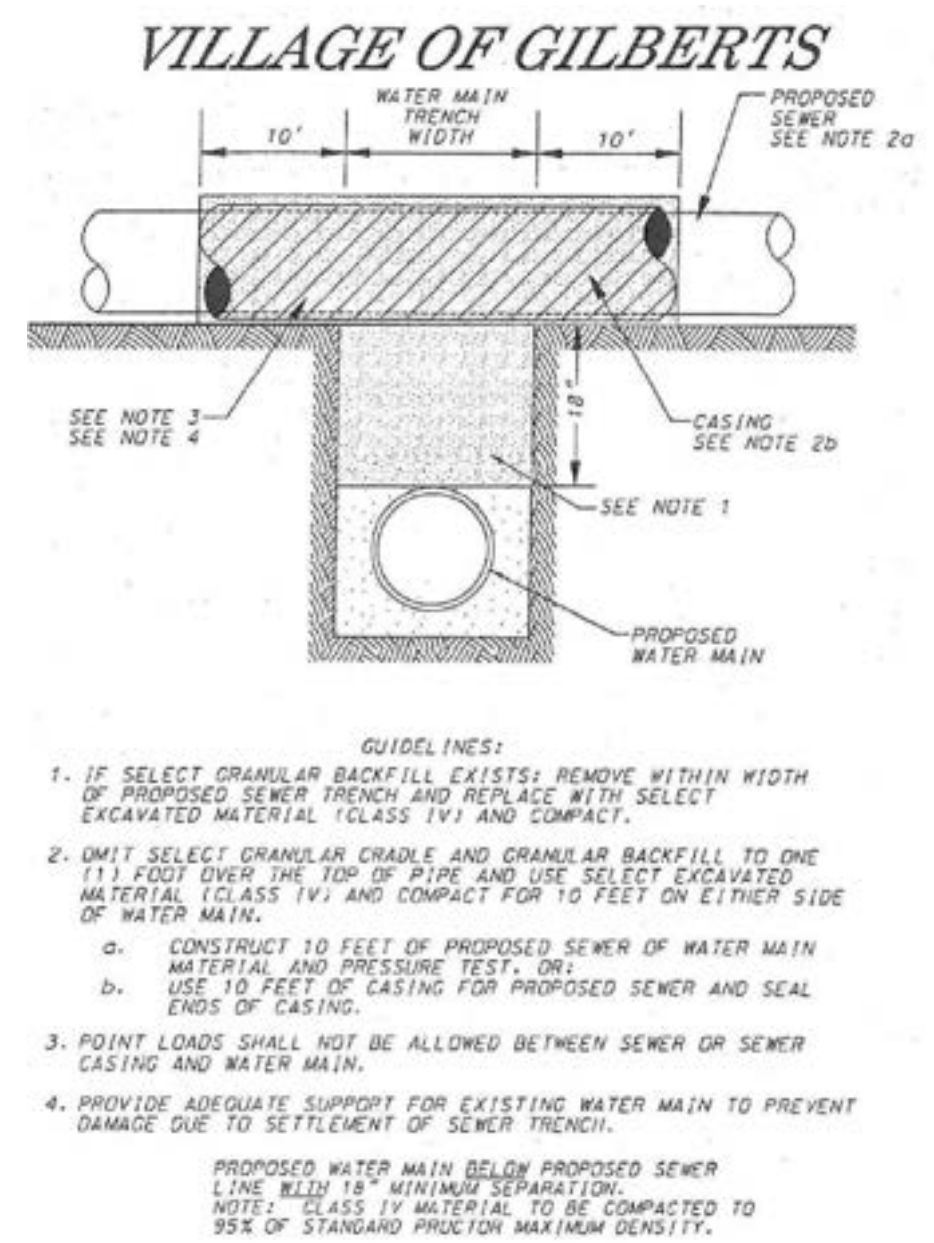
Notes:
1. THRUST BLOCKS SHALL BE FORMED AND POURED AGAINST UNDISTURBED SOIL. THRUST BLOCKS SHALL BE INSPECTED PRIOR TO BACKFILL.
2. PROTECT FITTINGS, BOLTS, ETC., BY COVERING WITH VISQUEEN OR OTHER ACCEPTABLE MATERIAL PRIOR TO PLACING CONCRETE. CONCRETE USED FOR THRUST BLOCK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
3. BEARING AREA VALUES SHOWN IN TABLE ARE BASED ON 90° BEND, 2000 PSF SOIL BEARING VALUE, AND INTERNAL PIPE PRESSURE OF 150 PSI WITH A 1.3X SAFETY FACTOR. FOR OTHER SOIL BEARING VALUES AND PIPE PRESSURES, THE REQUIRED AREA MUST BE ADJUSTED. THE REQUIRED AREA IS IN DIRECT PROPORTION.
4. THRUST BLOCKS SHALL ONLY BE ALLOWED IN INSTANCES WHERE RESTRAINING JOINTS CANNOT BE USED, AND MUST BE APPROVED BY THE ENGINEER.

PIPE BEARING AREA	PIPE BEARING AREA	THRUST BLOCK BEARING AREA
4" 21.0 SQ FT	12" 164.0 SQ FT	12" 164.0 SQ FT
6" 42.0 SQ FT	20" 444.0 SQ FT	20" 444.0 SQ FT
8" 71.0 SQ FT	24" 648.0 SQ FT	24" 648.0 SQ FT
10" 111.0 SQ FT	27" 810.0 SQ FT	27" 810.0 SQ FT
12" 164.0 SQ FT	30" 1090.0 SQ FT	30" 1090.0 SQ FT
14" 217.0 SQ FT	36" 1440.0 SQ FT	36" 1440.0 SQ FT
16" 284.0 SQ FT		

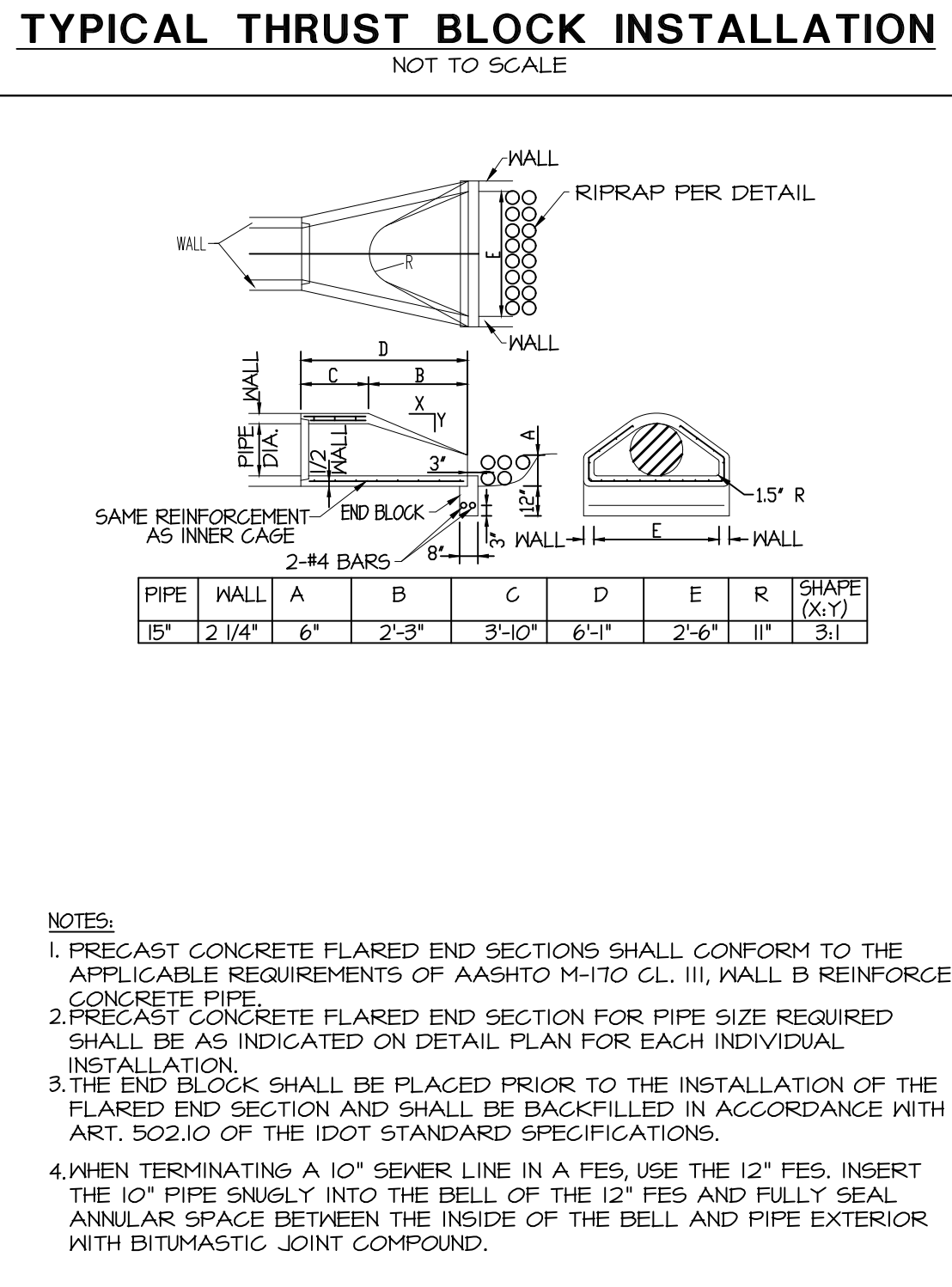
TYPICAL THRUST BLOCK INSTALLATION
NOT TO SCALE



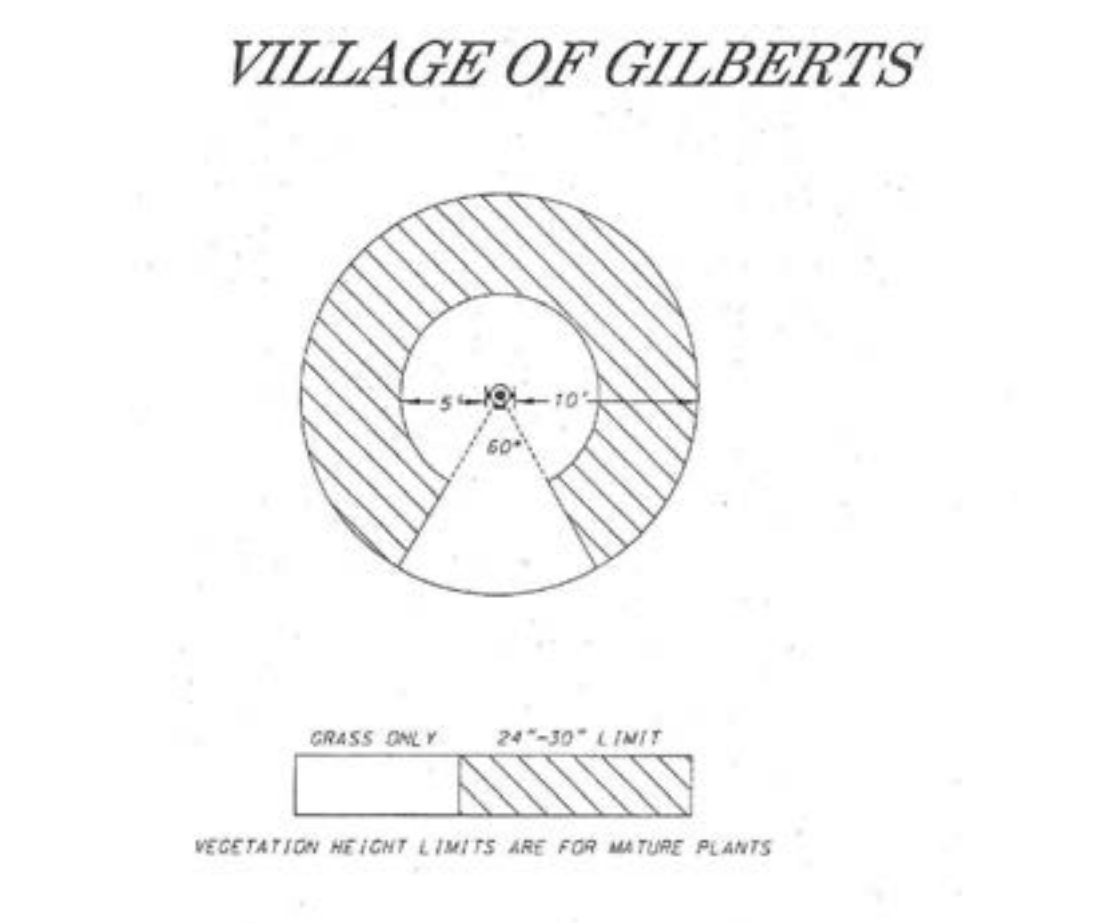
DETAIL - FLEXIBLE PIPE TRENCH
NOT TO SCALE



WATER AND SEWER SEPERATION
NOT TO SCALE



DETAIL - FLARED END SECTION
NOT TO SCALE



PLANTING GUIDELINES AROUND HYDRANTS
NOT TO SCALE

W-T CIVIL ENGINEERING, LLC.
CIVIL AND STRUCTURAL ENGINEERS

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www.wtcivileng.com

IL License No.: 184.007570-0015 Exp: 04/30/19

GLOGOVSKY OIL COMPANY
C-STORE
SWC TYRRELL & ILLINOIS ROUTE 72
(HIGGINS RD.)
GILBERTS, IL 60136

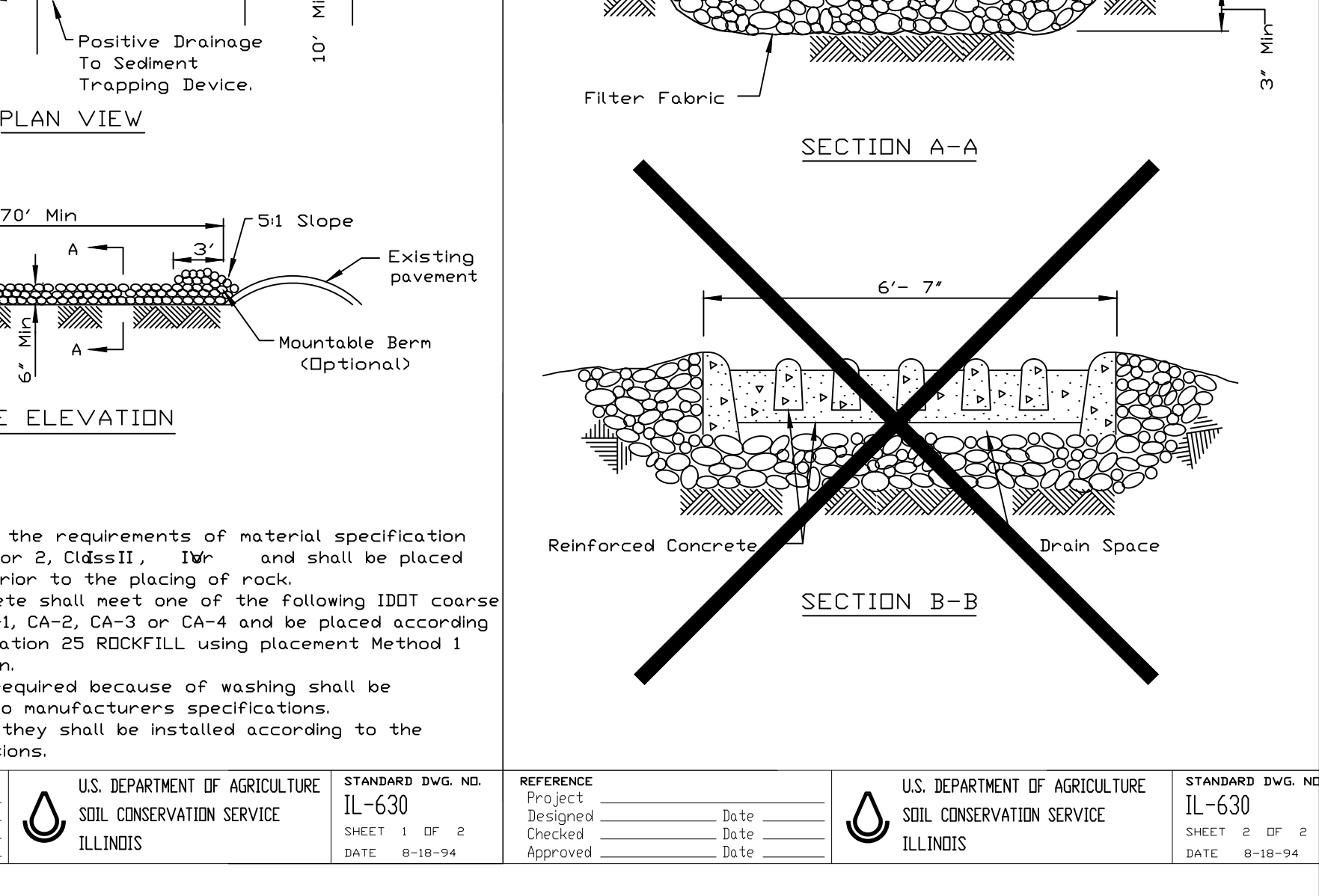
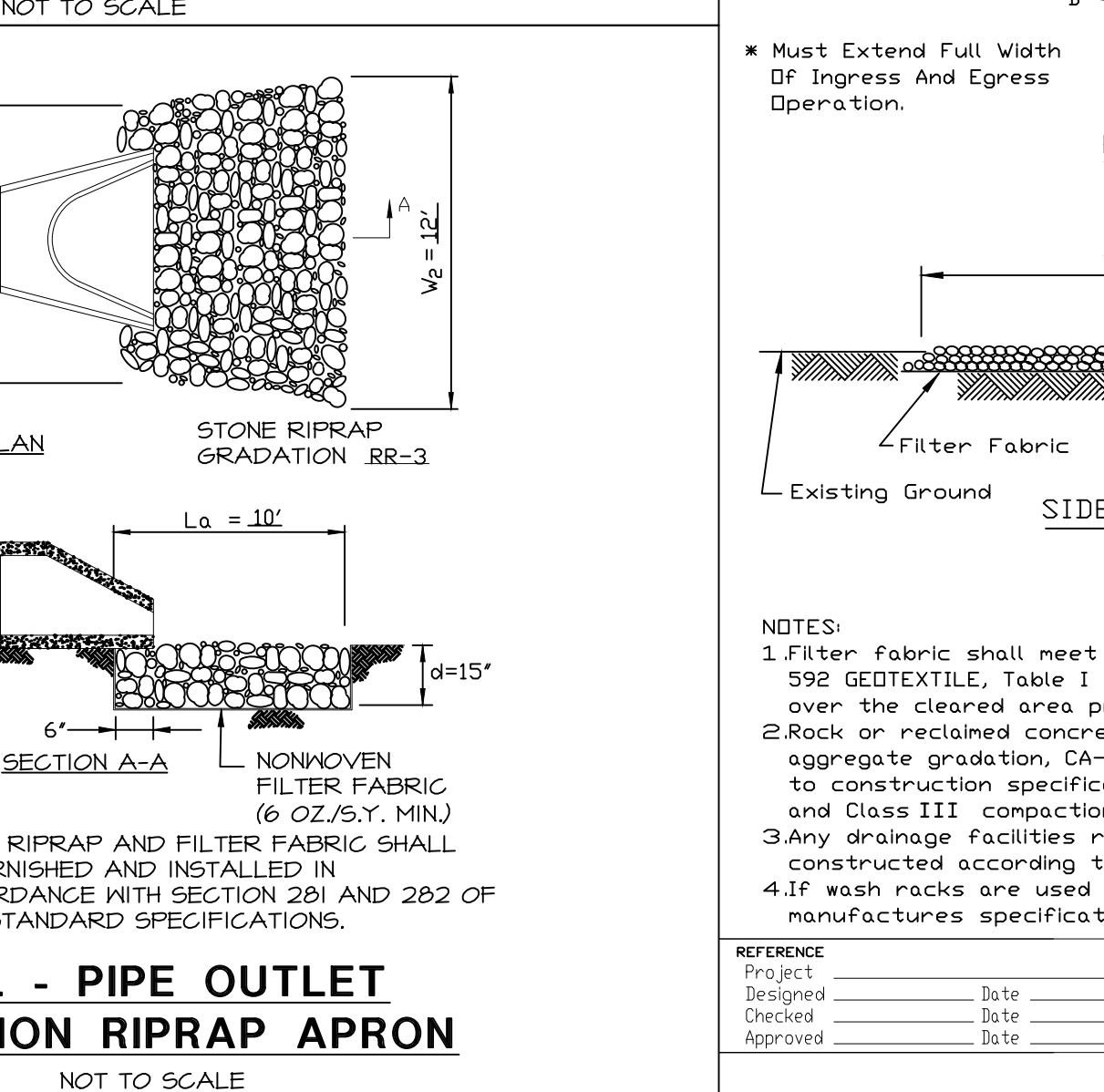
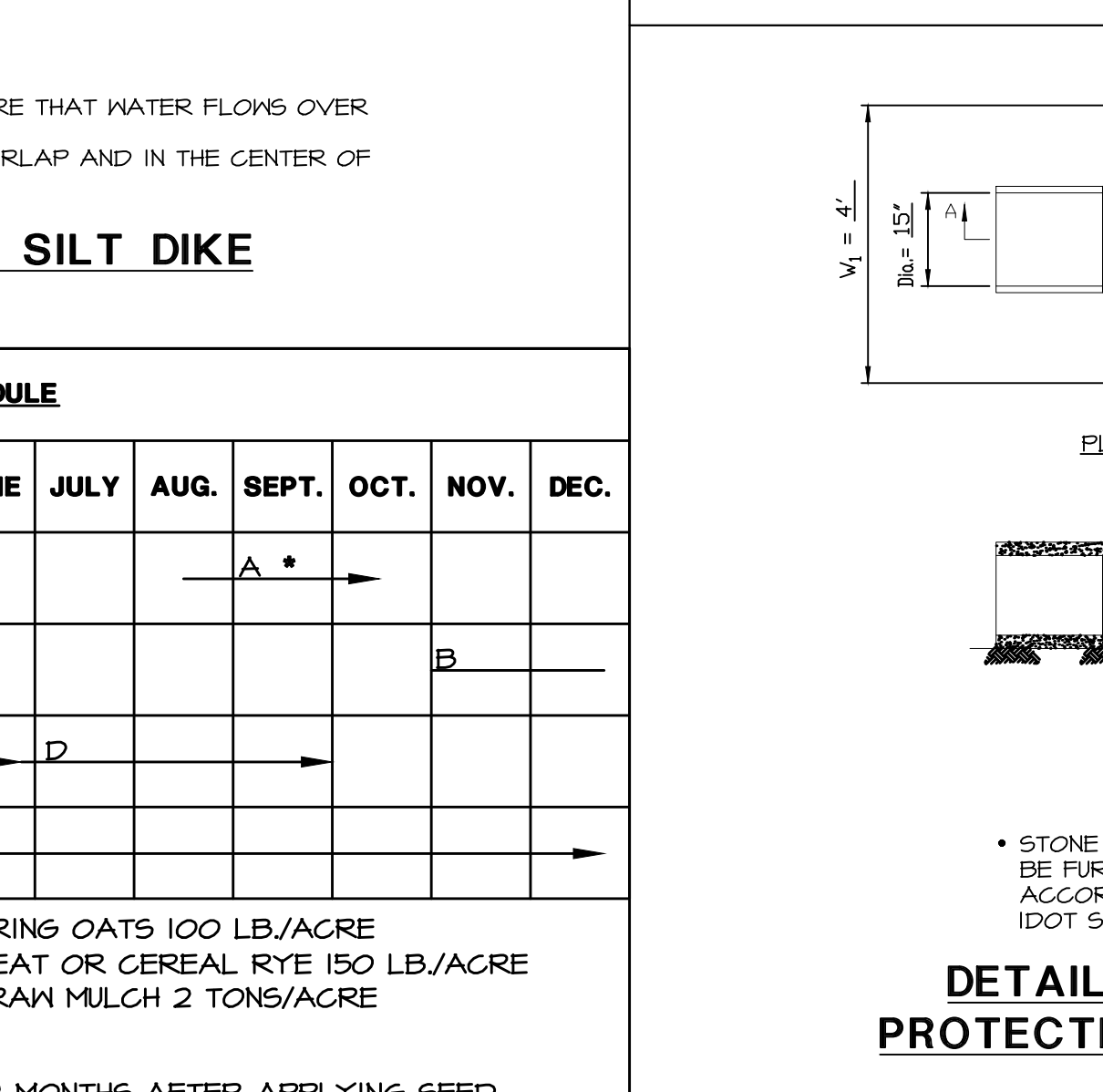
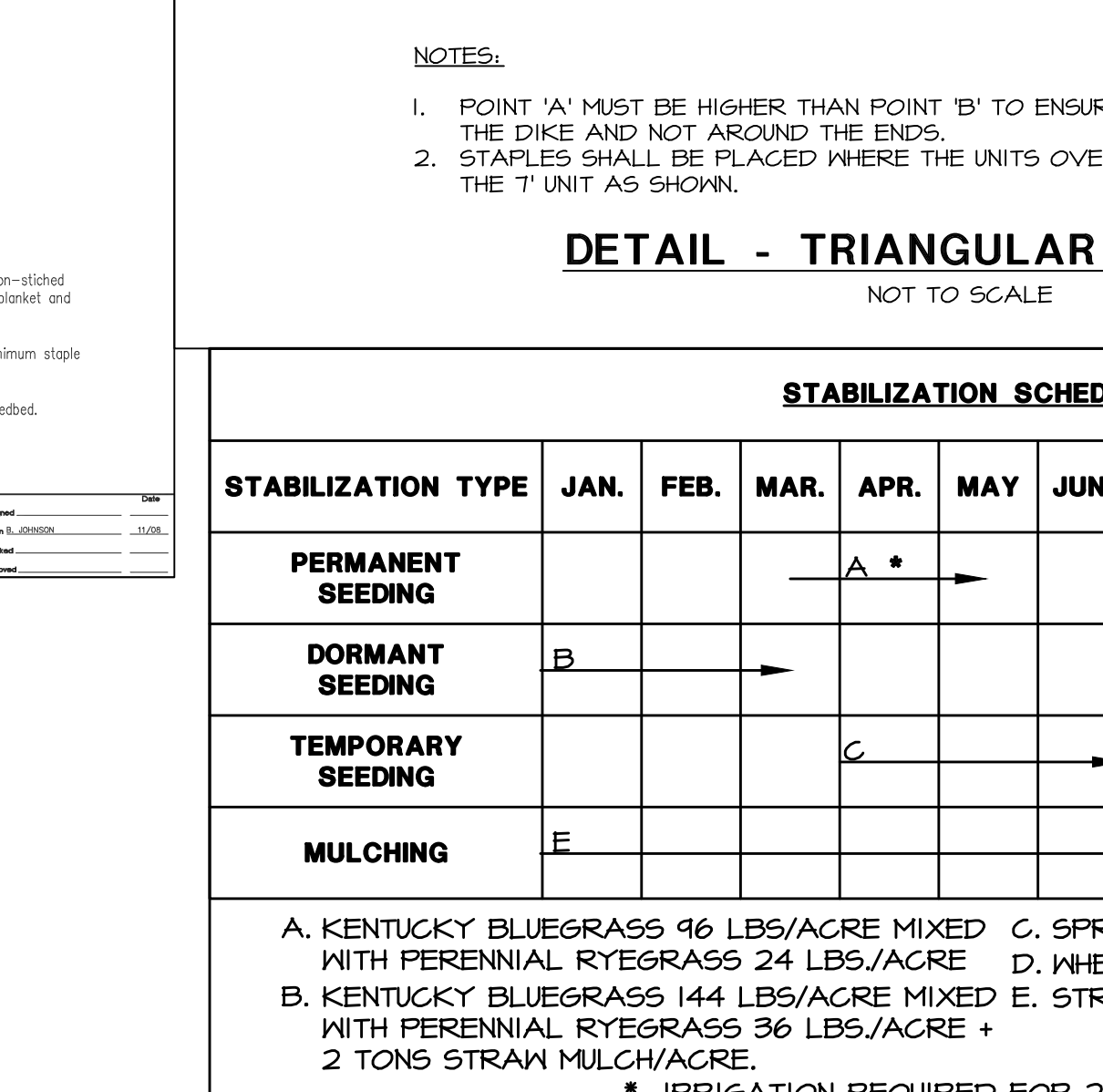
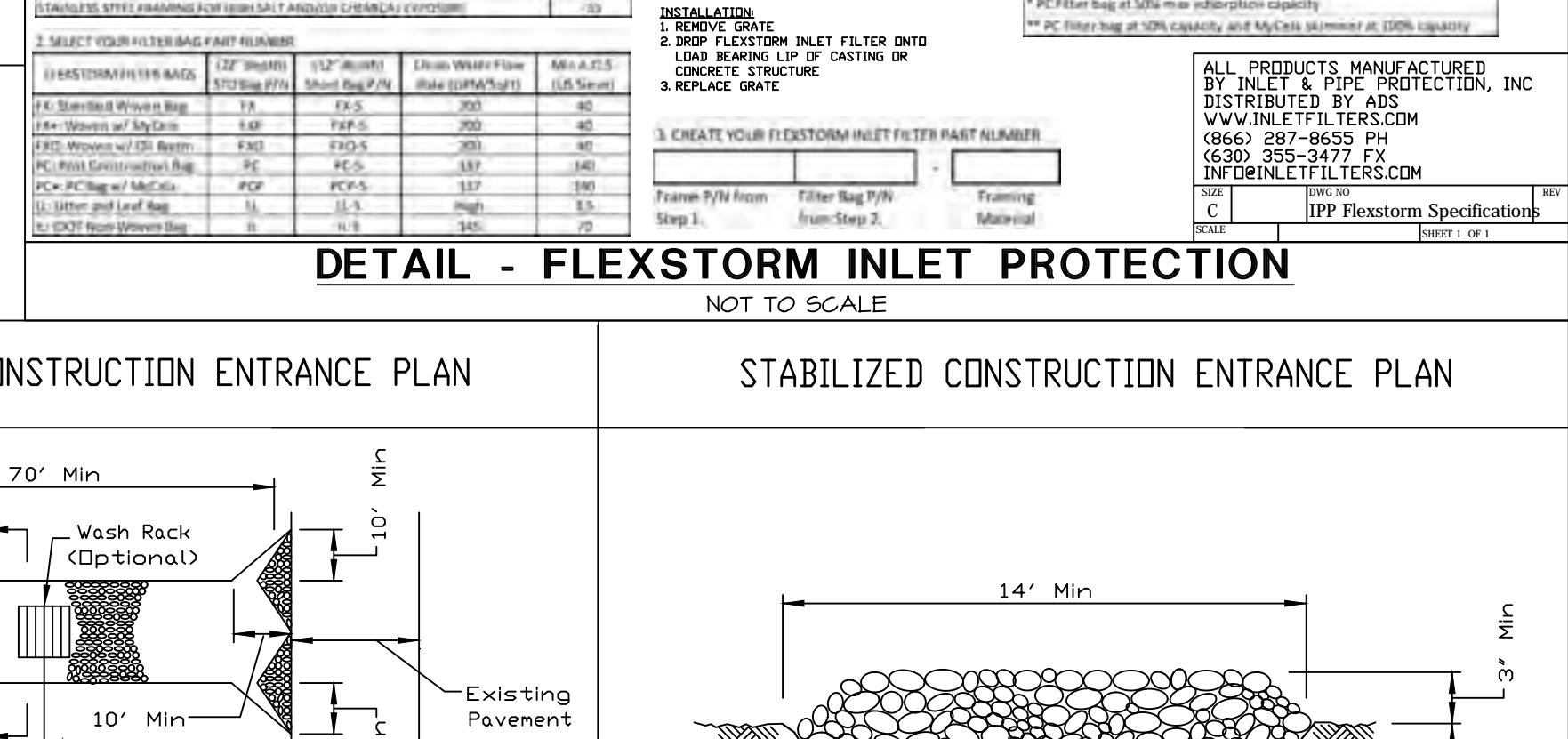
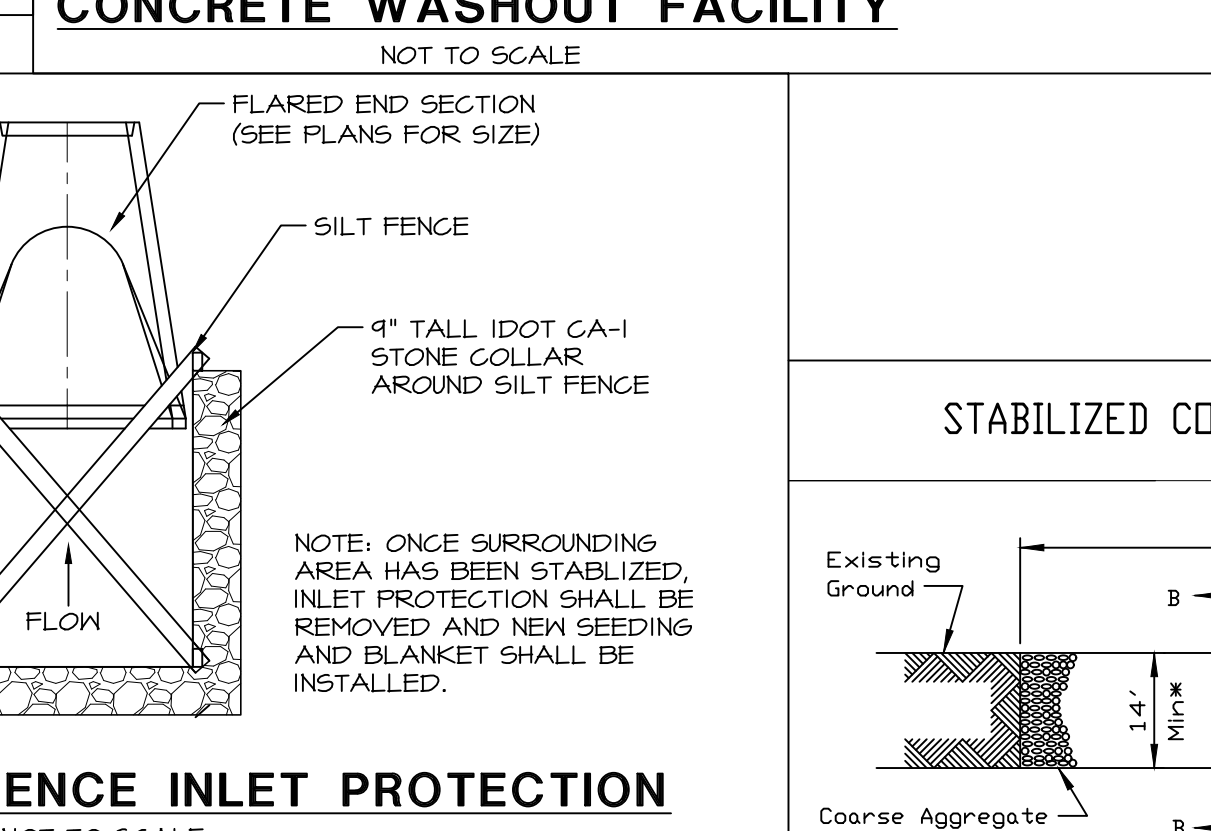
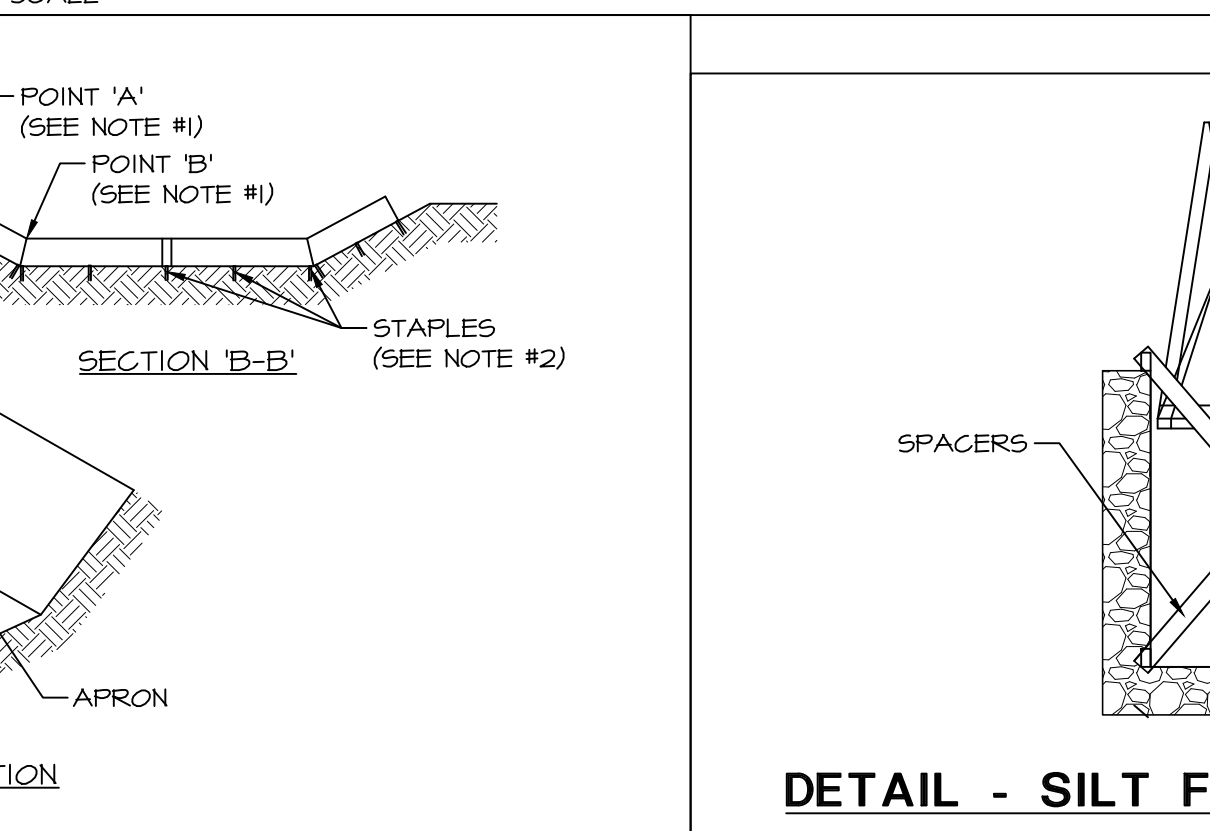
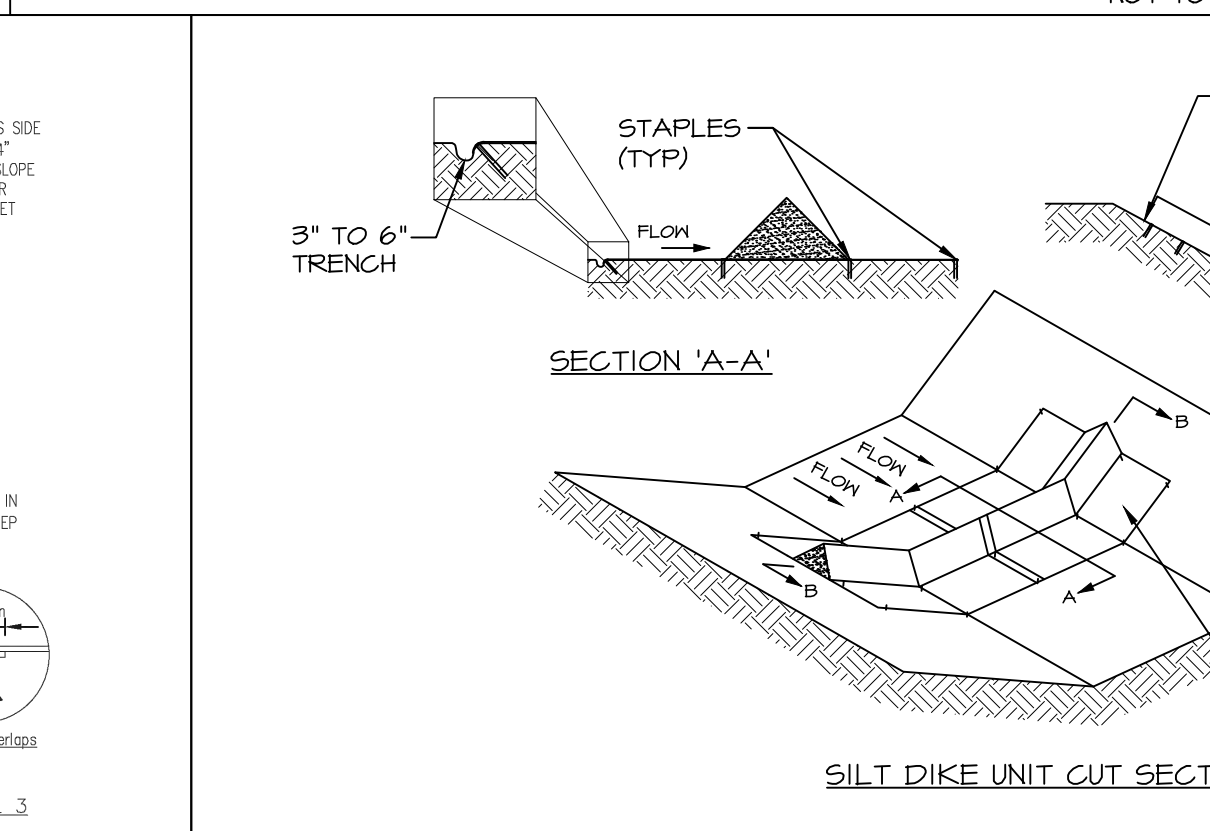
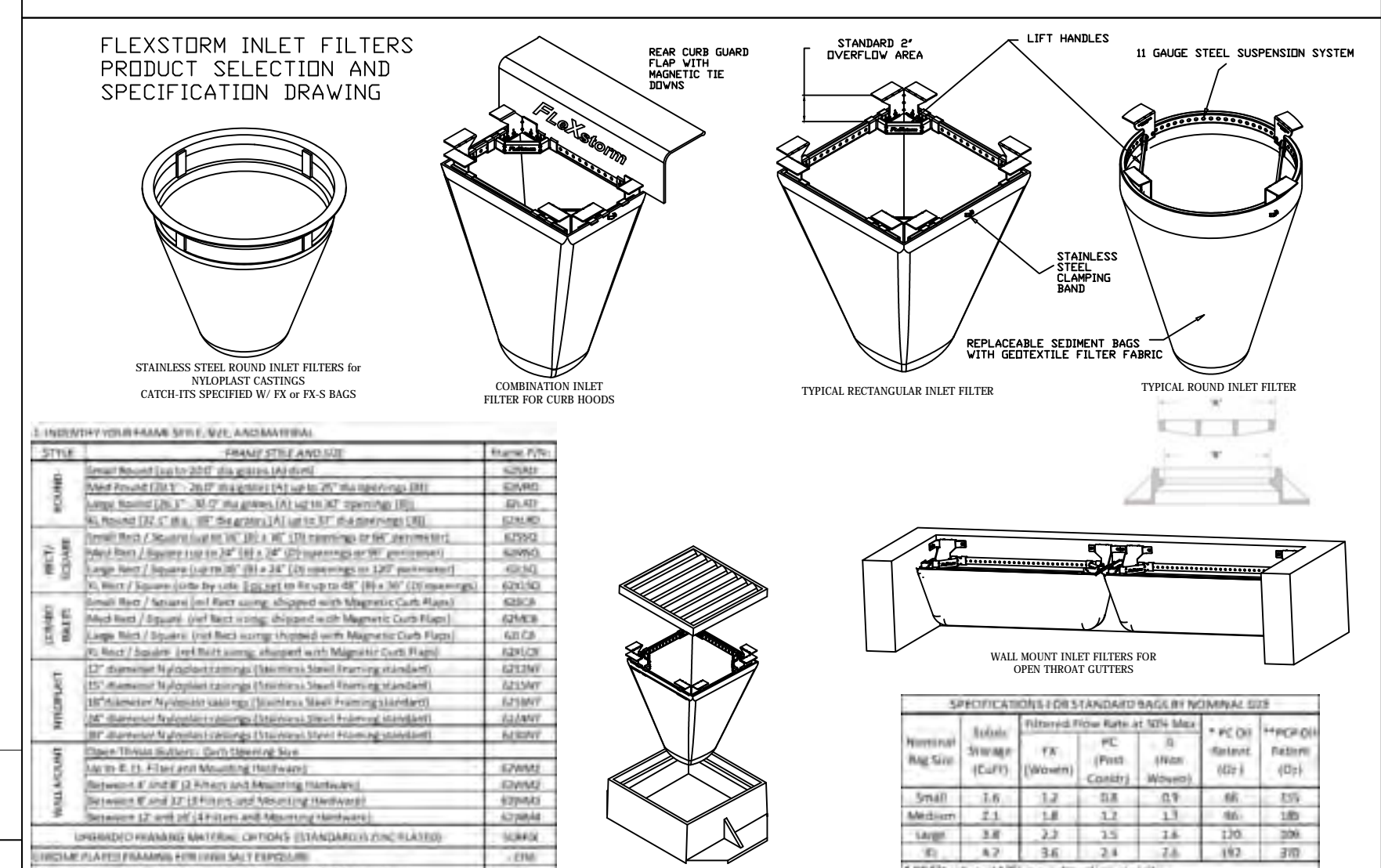
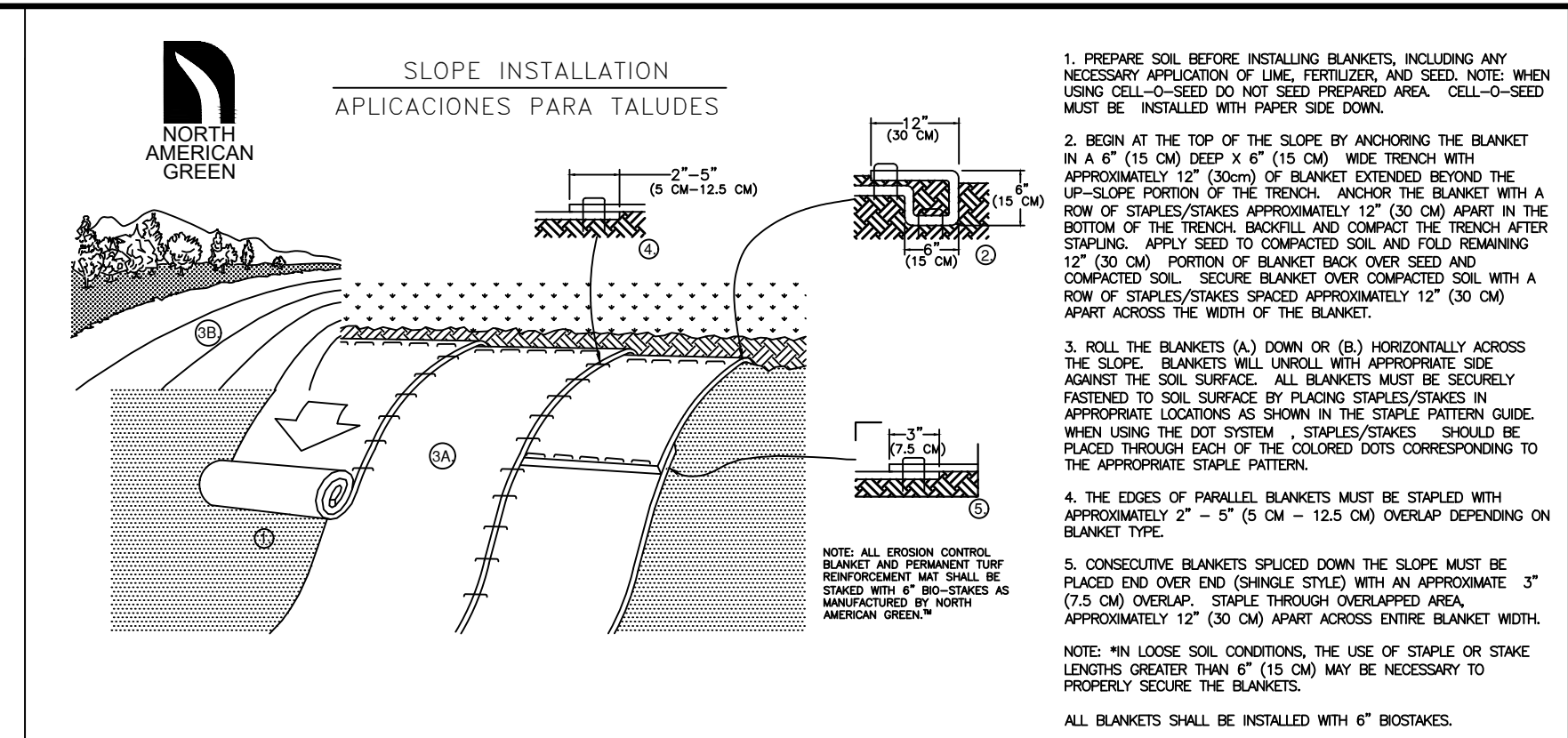
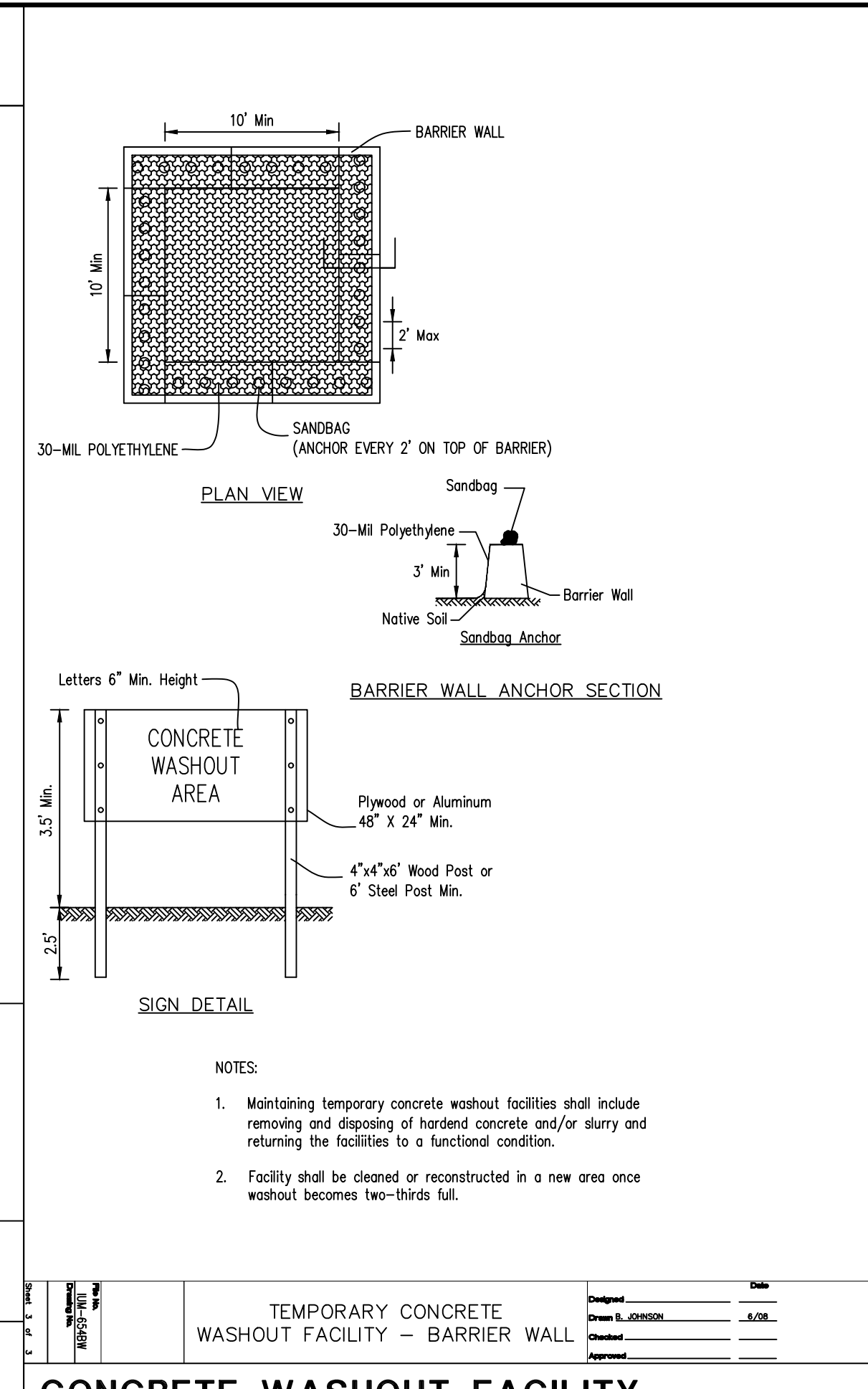
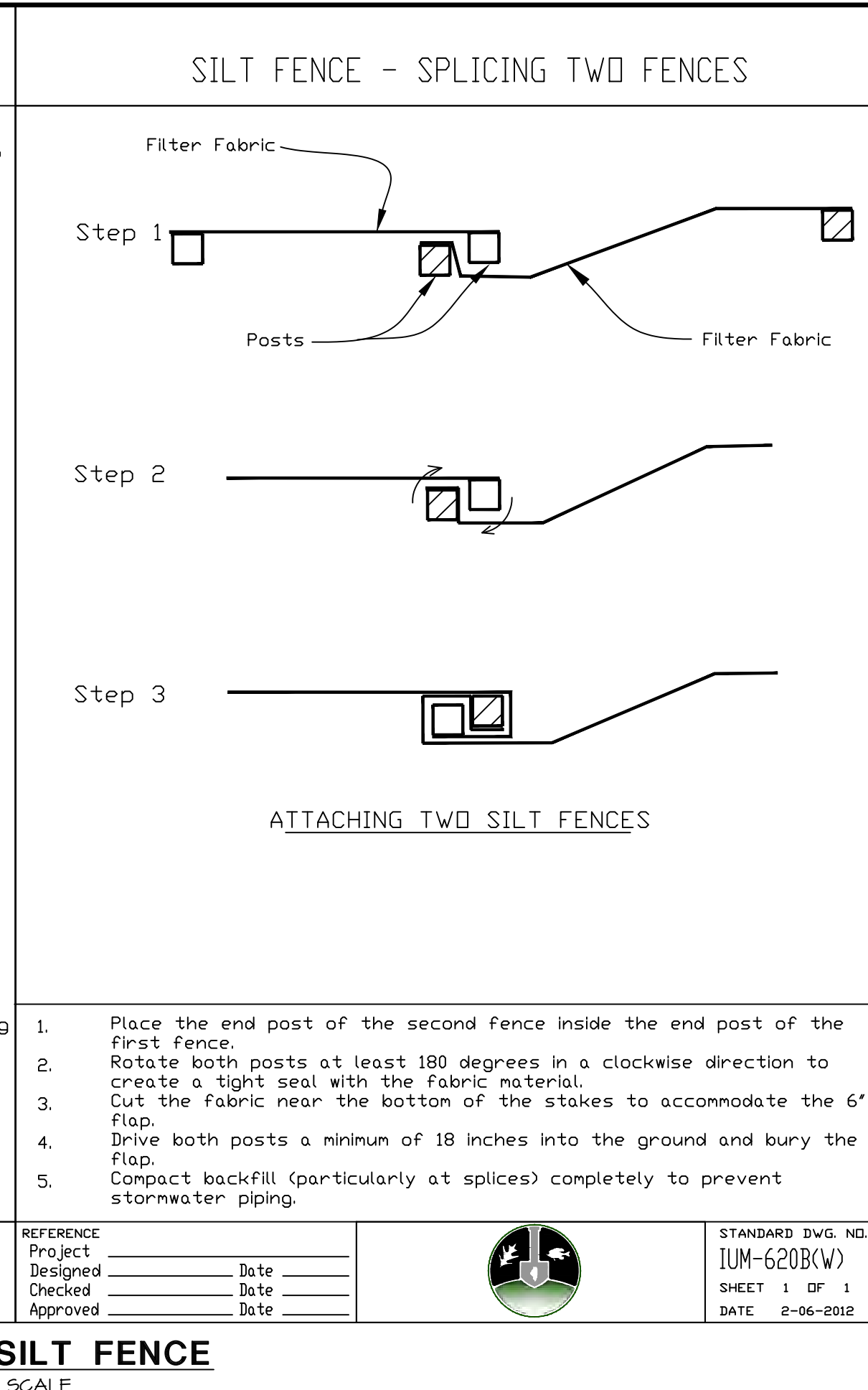
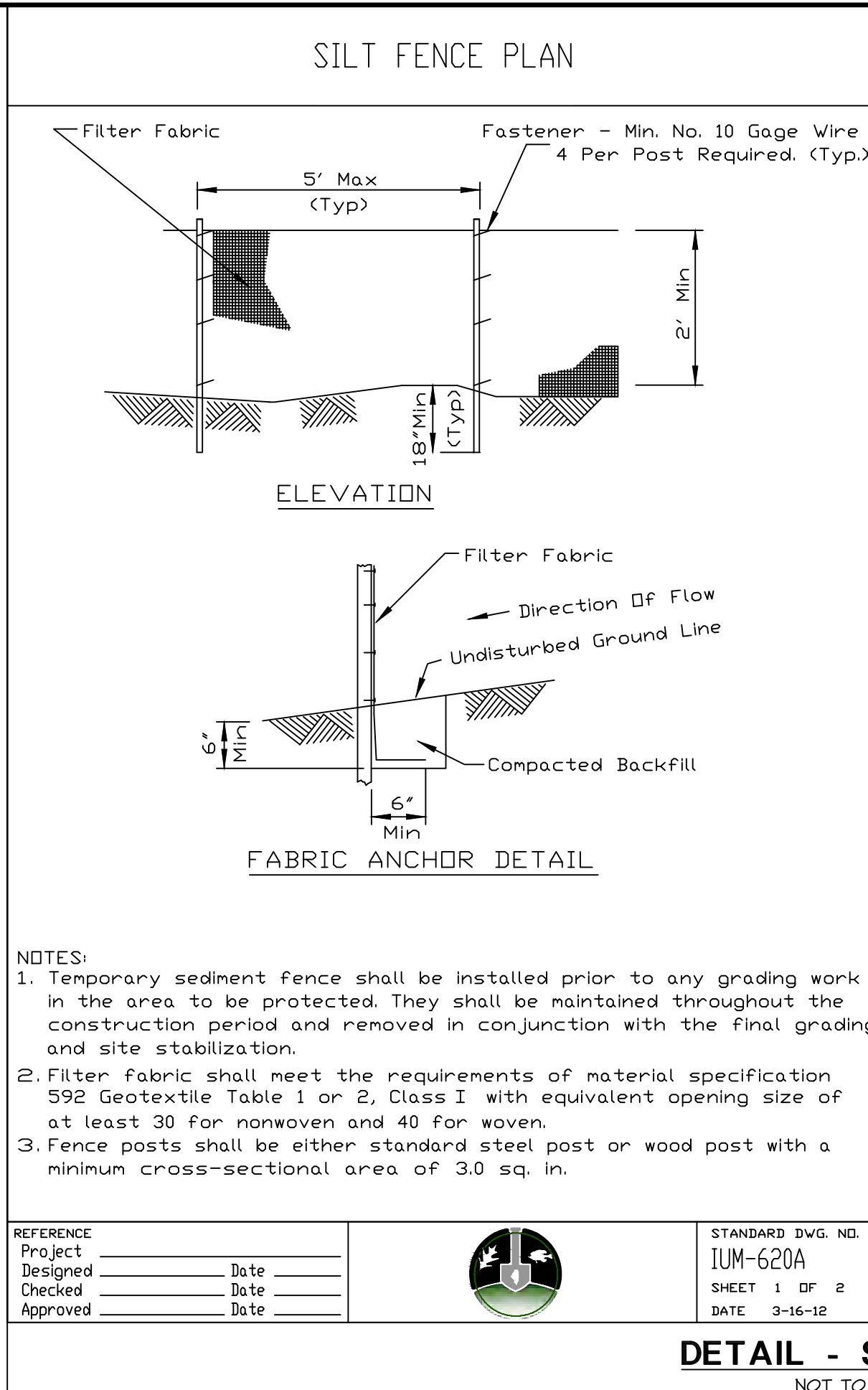
CONSTRUCTION DETAILS

START DATE: 12-17-15
SCALE: AS SHOWN
DRAWN: CMS
CHECK: JEG
JOB: CE15072
SHEET: C-7.2

BY: ALC
DATE: 4-06-2016
PER HOUSE COMMENTS
4 PERIN FOR CONSTRUCTION
5 ISSUED FOR CONSTRUCTION
6 PER DOT'S COMMENTS
7 PER VILLAGE COMMENTS
8 PER OWNER COMMENTS
9 PER IDOT COMMENTS

NO. REVISIONS

CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
3075 PRATUM AVE.
HOFFMAN ESTATES, ILLINOIS 60192
WWW.CIVILSOLUTIONS.COM
TEL: 224.293.6333
FAX: 224.293.6444
E: INFO@CIVILSOLUTIONS.COM



STABILIZATION SCHEDULE

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING				A *					A *			
DORMANT SEEDING	B											B
TEMPORARY SEEDING				C		D						
MULCHING	E											

A. KENTUCKY BLUEGRASS 96 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 24 LBS/ACRE
 B. KENTUCKY BLUEGRASS 144 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 36 LBS/ACRE + 2 TONS STRAW MULCH/ACRE
 C. SPRING OATS 100 LB/ACRE
 D. WHEAT OR CEREAL RYE 150 LB/ACRE
 E. STRAW MULCH 2 TONS/ACRE

* IRRIGATION REQUIRED FOR 2 MONTHS AFTER APPLYING SEED

EROSION CONTROL BLANKET INSTALLATION DETAILS

Project: IUM-620A
 Designer: [Signature]
 Checker: [Signature]
 Approver: [Signature]

SOIL CONSERVATION SERVICE

Project: IUM-620A
 Designer: [Signature]
 Checker: [Signature]
 Approver: [Signature]

STANDARD DWG. NO. IL-630

SHEET 1 OF 2
 DATE 8-18-94

W-T CIVIL ENGINEERING, LLC.

2675 Pratum Avenue
 Hoffman Estates, Illinois 60192
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ILL. License No.: 184.007570-0015 Exp: 04/30/19

GLOGOVSKY OIL COMPANY
 C-STORE
 SWC TYRRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

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 8 PER OWNER COMMENTS 04-07-2017 CMS
 9 PER IDOT COMMENTS 05-24-2017 CMS

CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
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 HOFFMAN ESTATES, ILLINOIS 60192
 WWW.CDSDLLC.COM
 WWW.IDOTILLINOIS.COM
 630-293-6333 FAX: 630-293-6444

GENERAL NOTES	
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING:	
11. ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," AS ADOPTED APRIL 1, 2016 AND ALL SUBSEQUENT REVISIONS THERETO.	
12. "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" SEVENTH EDITION, DATED 2014 AND ALL SUBSEQUENT REVISIONS THERETO.	
13. "ILLINOIS URBAN MANUAL," LATEST EDITION.	
14. BUILDING CODES AND ORDINANCES OF THE LOCAL GOVERNING AUTHORITIES.	
15. UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, 29 CFR PART 1926, "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION."	
16. ILLINOIS DRAINAGE LAW.	
17. ILLINOIS ENVIRONMENTAL BARRIERS ACT.	
18. ILLINOIS ACCESSIBILITY CODE.	
19. ILLINOIS ENVIRONMENTAL PROTECTION AGENCY REQUIREMENTS.	
110. TITLE 35 OF THE ILLINOIS ADMINISTRATIVE CODE.	
2. ALL REQUIRED PERMITS FROM THE APPROPRIATE GOVERNING AGENCY(S) SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROVISIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE ALL NECESSARY REPAIRS AT HIS EXPENSE AND TO THE SATISFACTION OF THE GOVERNING AGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNAGE AND TRAFFIC CONTROL DEVICES TO INFORM AND PROTECT THE PUBLIC.	
3. CONTRACTOR SHALL NOTIFY THE LOCAL ENGINEERING OR PUBLIC WORKS DEPARTMENT AND/OR OTHER GOVERNING AUTHORITY(S) 48 HOURS PRIOR TO COMMENCING CONSTRUCTION ON EACH MAJOR CATEGORY OF WORK, INCLUDING BUT NOT LIMITED TO, ANY PUBLIC IMPROVEMENTS, ROADWAY CLOSURES OR UTILITY INSTALLATIONS. 72 HOUR NOTICE SHALL BE GIVEN FOR ANY WORK THAT REQUIRES INSPECTION AND TESTING SUCH AS SANITARY SEWER OR WATER MAIN INSTALLATION.	
4. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES (GAS, ELECTRIC, TELEPHONE, CABLE, ETC.) AND THE LOCAL MUNICIPALITY TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION IN ORDER TO AVOID POTENTIAL CONFLICTS. CONTRACTOR SHALL CALL THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULI), E.G. AT 1-800-942-0123 OR BY DIALING 811. IT IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER THE PLANS SHOW OR NOT AND TO HAVE THESE UTILITIES STAKED PRIOR TO CONSTRUCTION.	
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE UTILITY OWNER.	
6. ALL EASEMENTS FOR EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS PREPARED BY THE ENGINEER ACCORDING TO INFORMATION AVAILABLE FROM PUBLIC RECORDS OR VISIBLE FIELD MARKINGS. THE CONTRACTOR SHALL BE THE SOLELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND FOR THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SO THE CONFLICT MAY BE RESOLVED.	
7. ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES AND REGULATIONS AND TO THE SATISFACTION OF THE APPLICABLE UTILITY OWNERS.	
8. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, COORDINATES AND ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES SO THE CONFLICT MAY BE RESOLVED.	
9. ALL PROPERTY MARKERS AND REFERENCE MARKERS SHALL BE CAREFULLY PRESERVED DURING CONSTRUCTION UNTIL THEIR LOCATION HAS BEEN WITNESSED OR OTHERWISE TIED IN BY AN AUTHORIZED AGENT OR PROFESSIONALLY LICENSED SURVEYOR.	
10. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE CONSTRUCTION OPERATIONS AFFECT PUBLIC THROUGH-FARES AND ADJACENT PROPERTY.	
11. ALL AREAS DISTURBED BY THE GENERAL CONTRACTOR OR SUB-CONTRACTORS SHALL BE RETURNED TO THE ORIGINAL CONDITIONS OR BETTER, EXCEPT WHERE PROPOSED CONSTRUCTION IS INDICATED ON THE PLANS.	
12. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.	
13. PRIOR TO INITIAL ACCEPTANCE BY THE OWNER(S) AND/OR GOVERNING AUTHORITY, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER AND MUNICIPALITY ENGINEER OR HIS REPRESENTATIVE(S). THE CONTRACTOR SHALL GUARANTEE HIS WORK FOR A PERIOD OF 18 (EIGHTEEN) MONTHS FROM THE DATE OF SUBSTANTIAL COMPLETION AND SHALL BE HELD RESPONSIBLE FOR ANY DEFECTS IN MATERIAL OR WORKMANSHIP OF THIS WORK DURING THAT PERIOD AND UNTIL FINAL ACCEPTANCE IS MADE.	
14. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE WORKING CONDITIONS THROUGHOUT THE DURATION OF CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.	
15. CONTRACTOR SHALL KEEP THE PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS AT THE END OF EACH WORKING DAY.	
16. ALL CONSTRUCTION STAKING, SCHEDULING AND PAYMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.	
17. THREE (3) ORIGINAL COPIES OF ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR (BUT NOT LIMITED TO) THE FOLLOWING ITEMS:	
17.1. ASPHALT PAVEMENT MIX DESIGN	
17.2. CONCRETE MIX DESIGN	
17.3. GRANULAR MATERIAL GRADATION	
17.4. PRECAST CONCRETE STRUCTURES (MANHOLES, INLETS, CATCH BASINS, VAULTS, ETC.)	
17.5. WATER MAIN MATERIALS (VALVES, FIRE HYDRANTS, ETC.)	
17.6. SANITARY SEWER MATERIALS	
17.7. STORM SEWER MATERIALS	
18. AFTER COMPLETION OF THE PROPOSED IMPROVEMENTS AND WHEN REQUIRED BY THE GOVERNING AUTHORITY(S), CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH AS-BUILT AND/OR RECORD DRAWINGS, SIGNED AND SEALED BY A PROFESSIONALLY LICENSED ENGINEER OR SURVEYOR AND SHALL INCLUDE AT A MINIMUM (WHERE APPLICABLE TO THE SCOPE OF WORK) THE FOLLOWING ITEMS:	
18.1. TOPOGRAPHY AND SPOT GRADE ELEVATIONS OF ALL PROPOSED PERMANENT SITE FEATURES INCLUDING ANY STORM WATER FACILITIES OR MODIFICATIONS TO EXISTING STORM WATER FACILITIES.	

GENERAL NOTES (CONTINUED)	
18.2. HORIZONTAL AND VERTICAL LOCATION AND ALIGNMENT OF ALL PROPOSED ROADWAYS, PARKING LOTS, UTILITIES, BUILDINGS OR OTHER PERMANENT SITE FEATURES.	
18.3. RIM AND INVERT AND/OR TOP OF PIPE ELEVATIONS FOR ALL PROPOSED UTILITIES.	
18.4. AS-BUILT AND/OR RECORD DRAWING INFORMATION SHALL BE SHOWN ON THE APPROVED ENGINEERING PLANS ISSUED FOR CONSTRUCTION. ANY AND ALL DEVIATIONS FROM THESE APPROVED PLANS SHALL BE SHOWN BY MEANS OF STRIKING THROUGH THE PROPOSED INFORMATION AND CLEARLY INDICATING THE AS-BUILT LOCATIONS AND ELEVATIONS ON THE APPLICABLE PLAN SHEET.	
SITE GRADING AND PAVING	
1. ALL SITE WORK, GRADING, AND PAVING OPERATIONS WITHIN THE LIMITS OF THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," AS ADOPTED APRIL 1, 2016 AND ALL SUBSEQUENT REVISIONS THERETO ("STANDARD SPECIFICATIONS"), ANY SPECIAL PROVISIONS, THE NOTES IN THE PLANS AND IN ACCORDANCE WITH THE CODES AND ORDINANCES OF THE GOVERNING AUTHORITIES. IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.	
2. EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPIILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, CONSTRUCTION OF EMBANKMENTS, NON-STRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE PLANS. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 200 OF THE "STANDARD SPECIFICATIONS." ALL UNSUITABLE OR EXCESS MATERIAL SHALL BE DISPOSED OF OFF-SITE OR AS DIRECTED BY THE PROJECT REPRESENTATIVE IN THE FIELD.	
3. EXCAVATED TOPSOIL SHALL BE STOCKPILED ON THE SITE IN AREAS DESIGNATED BY THE PROJECT ENGINEER UNTIL SUCH TIME THAT THIS TOPSOIL CAN BE USED FOR FINAL GRADING, UNLESS OTHERWISE NOTED ON THE PLANS, A MINIMUM OF 6" TOPSOIL RE-SPREAD AND SEEDING FOR ALL DISTURBED AREAS IS REQUIRED.	
4. THE SOILS INVESTIGATION REPORT FOR THE SITE AND ALL ADDENDA THERETO ARE SUPPORTING DOCUMENTS FOR THIS PROJECT. THE RECOMMENDATIONS AS STATED IN SAID REPORT ARE HEREBY INCORPORATED INTO THESE CONSTRUCTION NOTES BY REFERENCE AND SHALL BE FOLLOWED BY ALL CONTRACTORS. THE GRADING OPERATIONS SHALL BE CLOSELY SUPERVISED AND INSPECTED PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS, BY A SOILS ENGINEER OR HIS REPRESENTATIVE. FURTHER CONSTRUCTION OPERATIONS WILL NOT BE PERMITTED UNTIL THE SOILS ENGINEER ISSUES A WRITTEN STATEMENT THAT THE AREA IN QUESTION HAS BEEN SATISFACTORILY PREPARED AND IS READY FOR CONSTRUCTION.	
5. ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, UNSUITABLE SOIL REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE CONTRACTOR.	
6. THE CONTRACTOR SHALL USE CARE IN GRADING NEAR TREES, SHRUBS, AND BUSHES WHICH ARE NOT TO BE REMOVED SO AS NOT TO CAUSE INJURY TO ROOTS OR TRUNKS.	
7. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT HIS OWN EXPENSE.	
8. REMOVED DRIVEWAY PAVEMENT, SIDEWALK, CURBS, TREES AND STUMPS SHALL BE DISPOSED OF LEGALLY OFF-SITE AT LOCATIONS DETERMINED BY THE CONTRACTOR.	
9. ON AND OFF SITE PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY TO MEET STATE AND LOCAL STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.	
10. PROPOSED ELEVATIONS INDICATE FINISHED GRADE CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THE THICKNESS OF THE PROPOSED PAVING (ROADS, WALKS, DRIVE, ETC.) SECTION OR TOPSOIL AS INDICATED ON THE PLANS.	
11. CONTRACTOR SHALL PROVIDE SMOOTH VERTICAL CURVES THROUGH THE HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS ON THE PLANS. THE CONTRACTOR SHALL PROVIDE UNIFORM SLOPES BETWEEN NEAR AND EXISTING GRADES AND AVOID ANY RIDGES AND/OR DEPRESSIONS.	
12. ALL PROPOSED GRADING, PAVEMENT, APRONS, CURBS, WALKS, ETC. SHALL MATCH EXISTING GRADES FLUSH.	
13. ALL EXISTING AND PROPOSED TOP OF FRAME ELEVATIONS FOR STORM, SANITARY, WATER AND OTHER UTILITY STRUCTURES SHALL BE ADJUSTED TO MEET FINISHED GRADE WITHIN THE PROJECT LIMITS.	
14. ALL CONCRETE Poured SHALL BE:	
14.1. MINIMUM COMPRESSIVE STRENGTH:	
14.1.1. 3500 P.S.I. AT 14 DAYS (PER A.C.I. D.O.T.)	
14.1.2. 4500 P.S.I. AT 28 DAYS (PER A.C.I.)	
14.2. MAX WATER-CEMENTITIOUS MATERIALS RATIO, 0.44 (AIR-ENTRAINED)	
14.3. AIR CONTENT: 6%, +/- 1.5% AT POINT OF DELIVERY FOR EXPOSED CONCRETE	
15. THE GRADING AND CONSTRUCTION OF THE PROPOSED PAVEMENT IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE AND MATCH EXISTING GRADES FLUSH.	
16. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS AND SHALL PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT.	
17. DRIVEWAYS SHALL BE CONSTRUCTED SO AS NOT TO IMPEDE THE SURFACE DRAINAGE SYSTEM.	
18. TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SHALL BE INSTALLED AND PROVIDED WHENEVER CONSTRUCTION FOR UTILITIES ARE WITHIN STREET AREAS. APPLICABLE ORDINANCES OF THE MUNICIPALITY, COUNTY OR STATE SHALL ALSO GOVERN THE TRAFFIC CONTROL REQUIREMENTS.	
WATER MAINS AND SEWERS	
HORIZONTAL SEPARATION REQUIREMENTS	
1. WATER MAINS SHALL BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER, OR SEWER SERVICE CONNECTION.	
2. WATER MAINS MAY BE LOCATED CLOSER THAN TEN (10) FEET TO A SEWER LINE WHEN:	
2.1. LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN (10) FEET; AND	
2.2. THE WATER MAIN INVERT IS AT LEAST EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE SEWER; AND	
2.3. THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.	
3. WHEN IT IS IMPOSSIBLE TO MEET 1) OR 2) ABOVE, BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, ASBESTOS-CEMENT PRESSURE PIPE, PRE-STRESSED CONCRETE PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED FOR THE MAXIMUM EXPECTED SURCHARGE HEAD PRIOR TO BACKFILLING.	

STORM SEWERS	
1. ALL STORM SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" SEVENTH EDITION, DATED 2014 AND ALL SUBSEQUENT REVISIONS THERETO ("STANDARD SPECIFICATIONS"), THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," AS ADOPTED APRIL 1, 2016 AND ALL SUBSEQUENT REVISIONS THERETO ("IDOT STANDARD SPECIFICATIONS"), ANY SPECIAL PROVISIONS, THE NOTES ON THE PLANS, AND IN ACCORDANCE WITH THE CODES AND ORDINANCES OF THE GOVERNING AUTHORITIES. IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.	
2. ALL STORM SEWER PIPE AND STRUCTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH DIVISION IV OF THE "STANDARD SPECIFICATIONS," AND DIVISIONS 500 AND 600 OF THE "IDOT STANDARD SPECIFICATIONS."	
3. STORM SEWERS AND CULVERTS SHALL BE CONSTRUCTED OF ONE OR MORE OF THE FOLLOWING MATERIALS AND SHALL MEET THE SPECIFICATIONS NOTED. THE TYPE OF PIPE TO BE USED SHALL BE AS INDICATED ON THE PLANS.	
3.1. REINFORCED CONCRETE PIPE (ASTM C-76), CLASS IV, WITH FLEXIBLE (O-RINGS) GASKET JOINTS (ASTM C-443). ALL 10" RCP STORM SEWERS SHALL BE CLASS V.	
3.2. HIGH DENSITY POLYETHYLENE (ASTM F-2306) WITH WATERTIGHT JOINTS (ASTM D-3212).	
3.3. PVC GRAVITY SEWER PIPE (4"-15" ASTM D-3034, SDR26), (18"-36" ASTM F-674, T-1) WITH RUBBER GASKET JOINTS (ASTM D-3212 AND F-471).	
3.4. PVC PRESSURE-RATED PIPE (ASTM D-2241, DR26) WITH PUSH-ON RUBBER GASKET JOINTS (ASTM D-3194 AND F-471).	
4. ALL STORM SEWER TRENCH EXCAVATIONS AND PIPE FOUNDATION, BEDDING AND HAUNCHING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF DIVISION II OF THE "STANDARD SPECIFICATIONS."	
4.1. ALL STORM SEWERS MUST BE PLACED ON PROPERLY COMPACTED STONE BEDDING. PIPE BEDDING MATERIAL SHALL BE A MINIMUM OF FOUR (4) INCHES THICK UNDER THE BARREL OF THE PIPE AND FOR PVC PIPE, MATERIAL SHALL BE EXTENDED A MINIMUM OF 12" OVER THE TOP OF THE PIPE PER ASTM D-2921. PIPE BEDDING MATERIAL SHALL BE CRUSHED GRAVEL OR STONE MEETING IDOT GRADATION CA-1, CA-II OR CA-13.	
4.2. TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY, PER ASTM D-1557, OVER ALL STORM SEWERS WHICH ARE CONSTRUCTED UNDER, OR WITHIN TWO (2) FEET OF, ANY PROPOSED OR EXISTING PAVEMENT, PARKING LOTS OR SIDEWALKS.	
5. ALL REQUIRED STORM STRUCTURE RIM ADJUSTMENTS SHALL BE MADE WITH PRECAST CONCRETE ADJUSTING RINGS NOT TO EXCEED A MAXIMUM OF EIGHT (8) INCHES IN OVERALL HEIGHT, A MAXIMUM OF TWO (2) ADJUSTING RINGS ARE ALLOWED. BUTYLOPE JOINT SEALANT SHALL BE USED ON ALL JOINTS BETWEEN THE PRECAST ELEMENTS.	
6. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN THE BEST AVAILABLE OPERATING CONDITION. 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 DRAININGS.	
WATER MAINS	
1. ALL WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS," SEVENTH EDITION, DATED 2014 AND ALL SUBSEQUENT REVISIONS THERETO ("STANDARD SPECIFICATIONS"), ANY SPECIAL PROVISIONS, THE NOTES ON THE PLANS, AND IN ACCORDANCE WITH THE CODES AND ORDINANCES OF THE GOVERNING AUTHORITIES. IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.	
2. ALL WATER MAIN PIPE AND STRUCTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH DIVISION IV OF THE "STANDARD SPECIFICATIONS."	
3. ALL WATER MAINS AND BUILDING SERVICES OF 3-INCH OR LARGER DIAMETER SHALL BE DUCTILE IRON PIPE, CLASS 52 IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS C-151, C-111 AND C-104, UNLESS OTHERWISE NOTED.	
4. FITTINGS FOR PIPES OF 3-INCH OR LARGER DIAMETER SHALL BE OF DUCTILE IRON WITH CEMENT MORTAR LINING AND MECHANICAL JOINTS AND CONFORM TO AWWA C-153 OR AWWA C-110.	
5. ALL FITTINGS SHALL BE PROPERLY BRACED BY MEANS OF CONCRETE THRUST BLOCKS. WHERE CONDITIONS PREVENT THE USE OF THRUST BLOCKS, RESTRAINED JOINTS OR TIE RODS OF A TYPE APPROVED BY THE ENGINEER SHALL BE USED.	
6. UNLESS OTHERWISE NOTED ON THE PLANS, ALL WATER MAIN PIPE SHALL BE LAID WITH A MINIMUM COVER OF 3'-1/2 FEET FROM THE PROPOSED FINISH GRADE INDICATED ON THE PLANS OR TO THE SPECIFIC TOP OF PIPE ELEVATION INDICATED ON THE PLANS FOR THE WATER MAIN. NO BERMS ARE ALLOWED OVER WATER MAINS EXCLUSIVELY FOR THE PURPOSE OF OBTAINING ADEQUATE GROUND COVER.	
7. ALL DUCTILE IRON WATER MAIN PIPE SHALL BE CONSTRUCTED WITH A MINIMUM OF 8-MIL POLYETHYLENE ENCASEMENT PER AWWA C-105 TO PREVENT CORROSION.	
8. ALL WATER MAIN TRENCH EXCAVATIONS AND PIPE FOUNDATION, BEDDING AND HAUNCHING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF DIVISION II OF THE "STANDARD SPECIFICATIONS."	
8.1. ALL WATER MAINS MUST BE PLACED ON PROPERLY COMPACTED STONE BEDDING. PIPE BEDDING MATERIAL SHALL BE A MINIMUM OF FOUR (4) INCHES THICK UNDER THE BARREL OF THE PIPE. PIPE BEDDING MATERIAL SHALL BE CRUSHED GRAVEL OR STONE MEETING IDOT GRADATION CA-1, CA-II OR CA-13.	
8.2. TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY, PER ASTM D-1557, OVER ALL WATER MAINS WHICH ARE CONSTRUCTED UNDER, OR WITHIN TWO (2) FEET OF, ANY PROPOSED OR EXISTING PAVEMENT, PARKING LOTS OR SIDEWALKS.	
9. A WATERTIGHT PLUG SHALL BE PLACED IN THE END OF THE WATER MAIN PIPE AT THE END OF EACH CONSTRUCTION DAY.	
10. UPON COMPLETION OF THE WATER MAIN CONSTRUCTION, ALL WATER MAIN SHALL BE TESTED IN ACCORDANCE WITH THE FOLLOWING MINIMUM STANDARDS:	
10.1. HYDROSTATIC PRESSURE AND LEAKAGE TESTS IN ACCORDANCE WITH SECTION 41-2.14 OF THE "STANDARD SPECIFICATIONS" AND WITNESSED BY THE LOCAL GOVERNING AUTHORITY.	
10.2. DISINFECTION IN ACCORDANCE WITH SECTION 41-2.15 OF THE "STANDARD SPECIFICATIONS" AND THE METHODS STATED IN AWWA STANDARD C651 AND WITNESSED BY THE LOCAL GOVERNING AUTHORITY.	

WATER MAINS AND SEWERS	
VERTICAL SEPARATION REQUIREMENTS	
1. WATER MAINS SHALL BE SEPARATED FROM A SEWER SO THAT ITS INVERT IS A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN (10) FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSING. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.	
2. BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, ASBESTOS-CEMENT PRESSURE PIPE, PRE-STRESSED CONCRETE PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WHEN:	
2.1. IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN 1 ABOVE, OR	
2.2. THE WATER MAIN PASSES UNDER A SEWER OR DRAIN	
3. A VERTICAL SEPARATION OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. THE SEWER OR DRAIN LINES SHALL BE SUPPORTED TO PREVENT SETTLING AND BREAKING OF THE WATER MAIN, AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER.	
4. CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN (10) FEET.	
SANITARY SEWERS	
1. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS," SEVENTH EDITION, DATED 2014, AND ALL SUBSEQUENT REVISIONS THERETO ("STANDARD SPECIFICATIONS"), ANY SPECIAL PROVISIONS, THE NOTES ON THE PLANS, AND IN ACCORDANCE WITH THE CODES AND ORDINANCES OF THE GOVERNING AUTHORITIES. IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.	
2. ALL SANITARY SEWER PIPE AND STRUCTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH DIVISION III OF THE "STANDARD SPECIFICATIONS."	
3. ALL SANITARY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 PIPE PER ASTM D-3034 WITH WATERTIGHT JOINTS CONFORMING TO ASTM D-3212, UNLESS OTHERWISE NOTED.	
3.1. WHERE SANITARY SEWER PIPE IS NOTED AS PVC C-400, THE PIPE SHALL BE IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION (AWWA) C-400 WITH WATERTIGHT, PRESSURE RATED JOINTS CONFORMING TO ASTM D-3194.	
4. SANITARY SEWER CONSTRUCTION SHALL COMMENCE AT THE EXISTING MANHOLES AND/OR CONNECTION POINT(S) INDICATED ON THE PLANS.	
4.1. A WATERTIGHT PLUG SHALL BE INSTALLED AND LEFT IN PLACE AT THE POINT OF COMMENCEMENT UNTIL THE REMAINDER OF THE PROPOSED SEWERS HAVE BEEN CONSTRUCTED, PROPERLY TESTED AND DEEMED READY FOR FINAL ACCEPTANCE.	
5. ALL SANITARY SEWER TRENCH EXCAVATIONS AND PIPE FOUNDATION, BEDDING AND HAUNCHING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF DIVISION II OF THE "STANDARD SPECIFICATIONS."	
5.1. ALL SANITARY SEWERS MUST BE PLACED ON PROPERLY COMPACTED STONE BEDDING. PIPE BEDDING MATERIAL SHALL BE A MINIMUM OF FOUR (4) INCHES THICK UNDER THE BARREL OF THE PIPE AND FOR PVC PIPE, MATERIAL SHALL BE EXTENDED A MINIMUM OF 12" OVER THE TOP OF THE PIPE PER ASTM D-2921. PIPE BEDDING MATERIAL SHALL BE CRUSHED GRAVEL OR STONE MEETING IDOT GRADATION CA-1 OR CA-13.	
5.2. TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY, PER ASTM D-1557, OVER ALL SANITARY SEWERS WHICH ARE CONSTRUCTED UNDER, OR WITHIN TWO (2) FEET OF, ANY PROPOSED OR EXISTING PAVEMENT, PARKING LOTS OR SIDEWALKS.	
6. THE CONTRACTOR IS REQUIRED TO RECORD THE LOCATION OF ALL SEWERS AND FURNISH THE INFORMATION TO THE PROJECT ENGINEER AND/OR OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL LOCATE ALL SEWERS BY MEASUREMENTS TO LOT CORNERS OR OTHER PERMANENT SITE FEATURE AND SHALL FURNISH A COPY OF SUCH LOCATIONS TO THE PROJECT ENGINEER AND/OR OWNER'S REPRESENTATIVE UPON PROJECT COMPLETION. THIS INFORMATION SHALL INCLUDE THE DEPTH OF EACH SEWER. IF THE CONTRACTOR FAILS TO PROPERLY LOCATE ANY SEWER, HE SHALL BE RESPONSIBLE FOR ALL COSTS WHICH ARE INCURRED AS A RESULT OF THE IMPROPERLY LOCATED UTILITIES.	
7. ALL SANITARY SEWER MANHOLES SHALL BE PRECAST CONCRETE AND SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF DIVISION III, SECTION 32 OF THE "STANDARD SPECIFICATIONS" AND THE DETAILS IN THE PLANS.	
7.1. A FLEXIBLE TYPE JOINT SHALL BE FURNISHED AT POINTS OF ENTRY INTO AND EXITING FROM MANHOLE STRUCTURES AND SHALL BE OF A DESIGN APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. THIS FLEXIBLE JOINT MAY CONSIST OF A SLEEVE OF HIGH QUALITY SYNTHETIC RUBBER WITH A SUBSTANTIAL SERRATED FLANGE WHICH IS CAST DIRECTLY INTO THE WALL OF THE MANHOLE BASE TO FORM A WATERTIGHT SEAL AND PROTRUDES OUTSIDE OF THE MANHOLE WALL TO CONNECT WITH THE PIPE ENTERING/EXITING THE MANHOLE. WHEN THIS TYPE OF FLEXIBLE JOINT IS USED, THE SLEEVE SHALL SLIP OVER THE END OF THE PIPE ADJACENT TO THE MANHOLE BASE AND SHALL BE SECURED BY MEANS OF A STAINLESS STEEL STRAP CLAMP EQUIPPED WITH A DRAIN BOLT AND NUT.	
8. ALL REQUIRED MANHOLE RIM ADJUSTMENTS SHALL BE MADE WITH PRECAST CONCRETE ADJUSTING RINGS NOT TO EXCEED A MAXIMUM OF EIGHT (8) INCHES IN OVERALL HEIGHT, A MAXIMUM OF TWO (2) ADJUSTING RINGS ARE ALLOWED. BUTYLOPE JOINT SEALANT SHALL BE USED ON ALL JOINTS BETWEEN THE PRECAST ELEMENTS.	
9. AFTER FINAL ADJUSTMENTS HAVE BEEN MADE, ALL JOINTS IN PRECAST STRUCTURES SHALL BE MORTARED. THE MORTAR SHALL BE COMPOSED OF ONE (1) PART CEMENT TO THREE (3) PARTS SAND, BY VOLUME, BASED ON DRY MATERIALS, AND SHALL BE THOROUGHLY WETTED BEFORE LAYING.	
10. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR MANHOLE, THE FOLLOWING METHOD SHALL BE USED:	
10.1. CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS (SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.	
11. ALL FLOOR DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER. ALL FOOTING DRAINS AND DOWNSPOUTS SHALL DISCHARGE ONTO THE GROUND OR INTO THE STORM SEWER SYSTEM AS INDICATED ON THE DRAWINGS.	
12. UPON COMPLETION OF THE SANITARY SEWER CONSTRUCTION, INCLUDING THE SERVICE LINES, ALL SEWERS SHALL BE TESTED IN ACCORDANCE WITH SECTIONS 31-1.2 AND 31-1.3 OF THE "STANDARD SPECIFICATIONS" AND WITNESSED BY THE LOCAL GOVERNING AUTHORITY OR AUTHORIZED REPRESENTATIVE.	

SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION SCHEDULE	
1. OBTAIN NPDES AND OTHER APPLICABLE SITE PERMITS AND REVIEW PROJECT'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND UPDATING THE SWPPP THROUGHOUT THE DURATION OF CONSTRUCTION AS NECESSARY UNTIL FINAL SITE STABILIZATION IS ACHIEVED.	
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.	
3. INSTALL PERIMETER SEDIMENT CONTROL MEASURES (E.G. SILT FENCE).	
4. INSTALL PROTECTION DEVICES FOR EXISTING DRAINAGE INLET AND OUTLET STRUCTURES, IF APPLICABLE.	
5. PERFORM STORMWATER POLLUTION PREVENTION SITE INSPECTIONS ON A WEEKLY BASIS AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCH OR GREATER (OR EQUIVALENT SWEFALL). AT A MINIMUM, THE INSPECTIONS SHALL INCLUDE THE DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, ALL STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND ANY ADDITIONAL BEST MANAGEMENT PRACTICES IDENTIFIED IN THE SWPPP.	
5.1. ALL SITE EROSION AND SEDIMENT CONTROL MEASURES AND BEST MANAGEMENT PRACTICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE CONTINUOUSLY MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION (SEE THE STORMWATER POLLUTION PREVENTION NOTES AND STORMWATER POLLUTION PREVENTION MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION). CONTRACTOR SHALL MAKE AND COMPLETE THE REQUIRED REPAIRS WITHIN FORTY-EIGHT (48) HOURS OF THE INSPECTION.	
5.2. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL STRUCTURAL CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE SITE INSPECTIONS.	
5.3. PERFORM STREET CLEANING OPERATIONS AND OTHER BEST MANAGEMENT PRACTICES AS NEEDED.	
6. PERFORM SITE CLEARING AND GRUBBING AND REMOVE EXISTING VEGETATION AS NEEDED FOR INITIAL SITE GRADING OPERATIONS. VEGETATED SITE AREAS THAT ARE NOT INCLUDED WITH THE INITIAL GRADING SHALL REMAIN UNDISTURBED. ALL TOPSOIL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE AND STABILIZED WITHIN THREE (3) DAYS OF FORMING THE STOCKPILE.	
7. REMOVE ALL ITEMS NOTED FOR REMOVAL IN THE DEMOLITION PLAN.	
8. PERFORM ROUGH GRADING OPERATIONS, CONSTRUCT OVERFLOW ROUTES, AND STABILIZE ALL DISTURBED AREAS, INCLUDING BUT NOT LIMITED TO SPILLWAYS, DRAINAGE CHANNELS AND SWALES (I.E. TEMPORARY AND PERMANENT SEEDING, EROSION CONTROL BLANKETS, RIP-RAP, CHECK DAMS, TEMPORARY DRAINAGE DIVERSIONS, ETC.).	
9. INSTALL TEMPORARY CONCRETE WASHOUT FACILITY.	
10. INSTALL BUILDING FOUNDATIONS AND BEGIN BUILDING CONSTRUCTION.	
11. INSTALL DETENTION SYSTEMS, STORM SEWERS AND OTHER SITE UTILITIES AND IMMEDIATELY INSTALL DRAINAGE INLET AND OUTLET PROTECTION DEVICES AS INDICATED ON THE PLANS.	
12. PROVIDE TEMPORARY SEEDING AND/OR MULCHING FOR ALL DISTURBED SITE AREAS THAT WILL NOT BE WORKED ON FOR MORE THAN FOURTEEN (14) DAYS.	
13. INSTALL CURBS AND BEGIN SITE PAVING OPERATIONS (I.E. DRIVEWAYS, SIDEWALKS, ETC.).	
14. COMPLETE BUILDING CONSTRUCTION AND REMAINING SITE IMPROVEMENTS.	
15. REMOVE TEMPORARY SITE EROSION AND SEDIMENT CONTROL MEASURES WITHIN THIRTY (30) DAYS OF FINAL SITE STABILIZATION.	
16. SUBMIT A NOTICE OF TERMINATION (N.O.T.) TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY UPON COMPLETION OF ALL SITE CONSTRUCTION AND FINAL SITE STABILIZATION (I.E. OVER 10% VEGETATIVE COVER).	
WATER SERVICES AND CONNECTIONS	
1. ALL WATER SERVICE PIPE AND STRUCTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH DIVISION IV OF THE "STANDARD SPECIFICATIONS."	
2. ALL WATER SERVICE LINES 2" IN DIAMETER OR SMALLER SHALL BE TYPE 'K' COPPER TUBING CONFORMING TO ASTM B-88-58. NO COUPLINGS SHALL BE PERMITTED BETWEEN THE CORPORATION AND CURB STOPS OR BETWEEN THE CURB STOP AND THE BUILDING.	
3. ALL WATER SERVICE FITTINGS INCLUDING CORPORATION STOPS, SERVICE BOXES AND BUFFALO BOXES SHALL BE AS MANUFACTURED BY THE MUELLER COMPANY OR APPROVED EQUAL.	
4. SERVICE BOXES SHALL BE OF SUFFICIENT LENGTH TO PERMIT THE TOP TO BE INSTALLED FLUSH WITH THE FINISHED GRADE. EACH SERVICE BOX SHALL BE PROVIDED WITH A GAP WITH THE WORD "WATER" CAST IN THE TOP.	
5. ALL VALVES, VALVE BOXES OR VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF DIVISION IV, SECTION 44 OF THE "STANDARD SPECIFICATIONS."	
6. ALL PRESSURE CONNECTIONS TO THE EXISTING WATER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 46 OF THE "STANDARD SPECIFICATIONS" AND SHALL INCLUDE THE INSTALLATION OF A FULL STAINLESS STEEL TAPPING SADDLE.	
7. ALL TEMPORARY CONNECTIONS FOR CONSTRUCTION PURPOSES TO NEWLY INSTALLED OR EXISTING WATER MAINS SHALL BE MADE AND METERED IN ACCORDANCE WITH LOCAL REQUIREMENTS.	
START DATE:	12-17-15
SCALE:	AS SHOWN
DRAWN:	CMS
CHECK:	JEG
JOB:	CE15072
SHEET:	

WT

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www.wtengineering.com

IL License No.: 184-007570-0015 Exp: 04/30/19

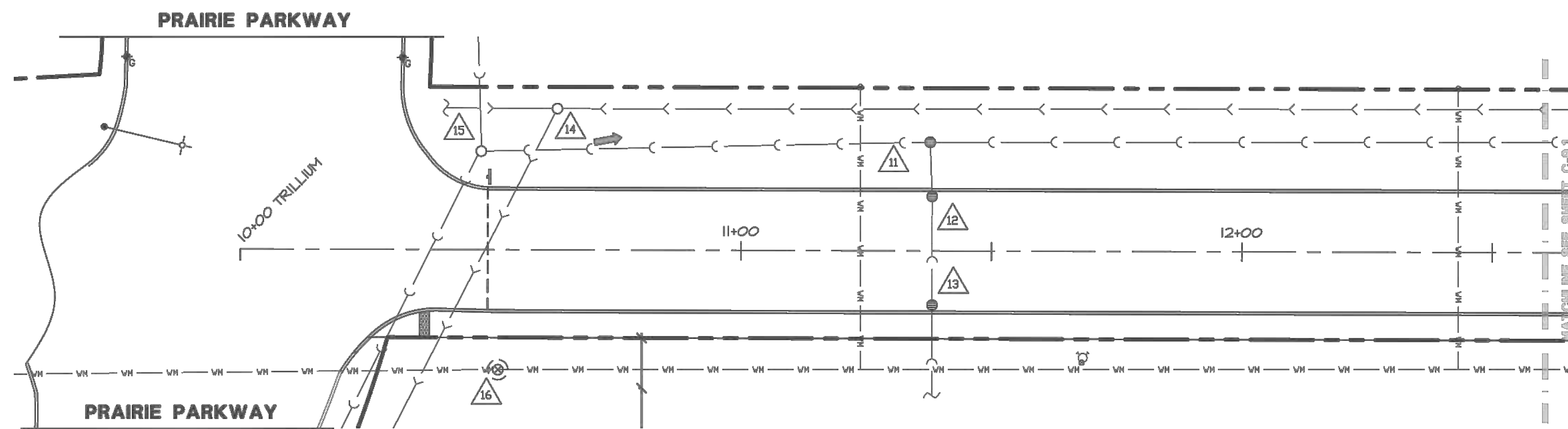
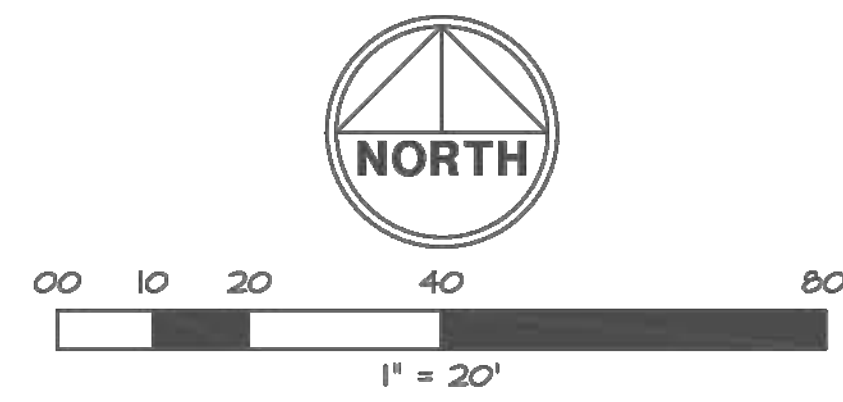
DATE BY
12-17-15 ALC

REVISED
NO

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING:
1. ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," AS ADOPTED APRIL 1, 2016 AND ALL SUBSEQUENT REVISIONS THERETO.

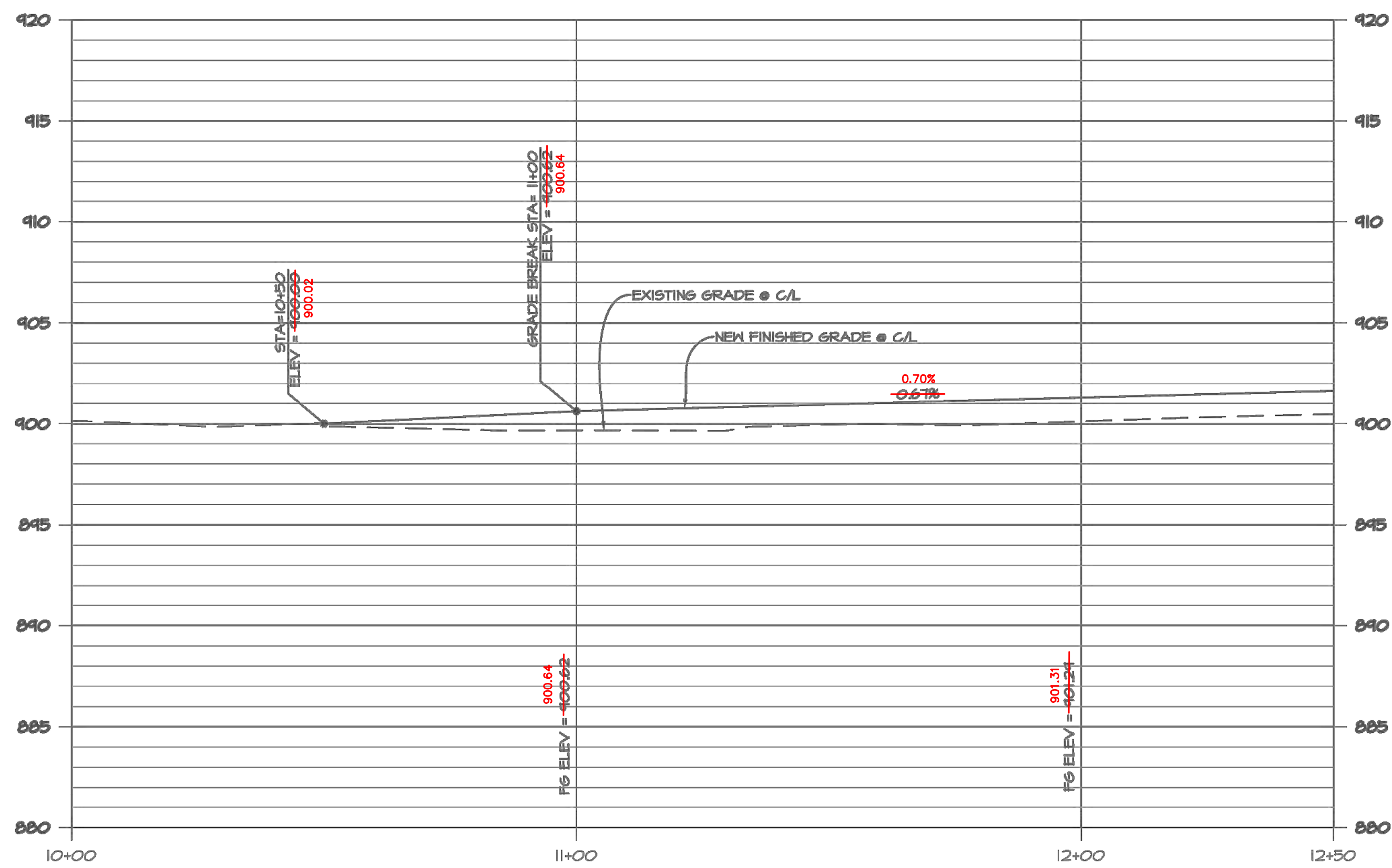
2. "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" SEVENTH EDITION, DATED 2014 AND ALL SUBSEQUENT REVISIONS THERETO.
3. "ILLINOIS URBAN MANUAL," LATEST EDITION.

4. BUILDING CODES AND ORDINANCES OF THE LOCAL GOVERNING AUTHORITIES.
5. UNITED STATES DEPARTMENT OF



EXISTING UTILITY DATA

- 11 RIM=900.28' (STORM)
72" CONCRETE STRUCTURE
INV=893.18' (36" RCP E)
INV=896.23' (15" RCP S)
INV=893.13' (36" RCP W)
- 12 RIM=900.34' (STORM)
48" CONCRETE STRUCTURE
INV=896.40' (15" RCP N)
INV=896.44' (15" RCP S)
- 13 RIM=900.32' (STORM)
48" CONCRETE STRUCTURE
INV=896.87' (15" RCP N)
INV=896.87' (12" DI S)
- 14 RIM=900.50' (SANITARY)
48" CONCRETE STRUCTURE
INV=890.79' (8" PVC E/W)
INV=890.79' (10" PVC SW)
- 15 RIM=900.51' (STORM)
72" CONCRETE STRUCTURE
INV=892.89' (21" RCP N)
INV=892.89' (36" RCP E/SW)
- 16 RIM=901.82' (WATER)
48" CONCRETE STRUCTURE
895.17' AT TOP OF 8" DI WATERMAIN E/W



PROFILE

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'

RECORD DRAWING 01/18/22

LEGEND: XXX.XX = AS-BUILT GRADE

AS-BUILT CONDITIONS SHOWN HEREON
PREPARED BY:
WT GROUP LLC
2675 PRATUM AVENUE
HOFFMAN ESTATES, ILLINOIS 60192
PH. 224-293-6333
WT GROUP JOB #: S2200006

Frans J. Mat...

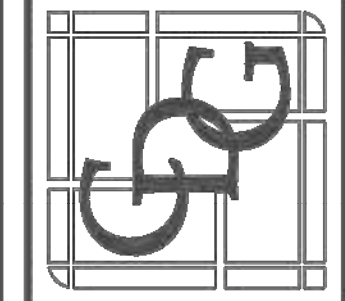


AS-BUILT INFORMATION SHOWN IS
ONLY FOR ROADWAY IMPROVEMENTS
PER CONTRACT WITH CLIENT

WT	W-T CIVIL ENGINEERING, LLC. CIVIL AND STRUCTURAL ENGINEERS
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NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
6	PER IDOT'S COMMENTS	8-18-2016	CMS
7	PER VILLAGE COMMENTS	11-14-2016	CMS
8	PER OWNER COMMENTS	04-07-2017	CMS
9	PER IDOT COMMENTS	05-24-2017	CMS

CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
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HOFFMAN ESTATES, ILLINOIS 60192
WWW.CDDG.COM
ILL. PROFESSIONAL ENGINEER REG. NO. 184-00013



GLOGOVSKY OIL COMPANY
C-STORE
SWC TYRRELL & ILLINOIS ROUTE 72
(HIGGINS RD.)
GILBERTS, IL 60136

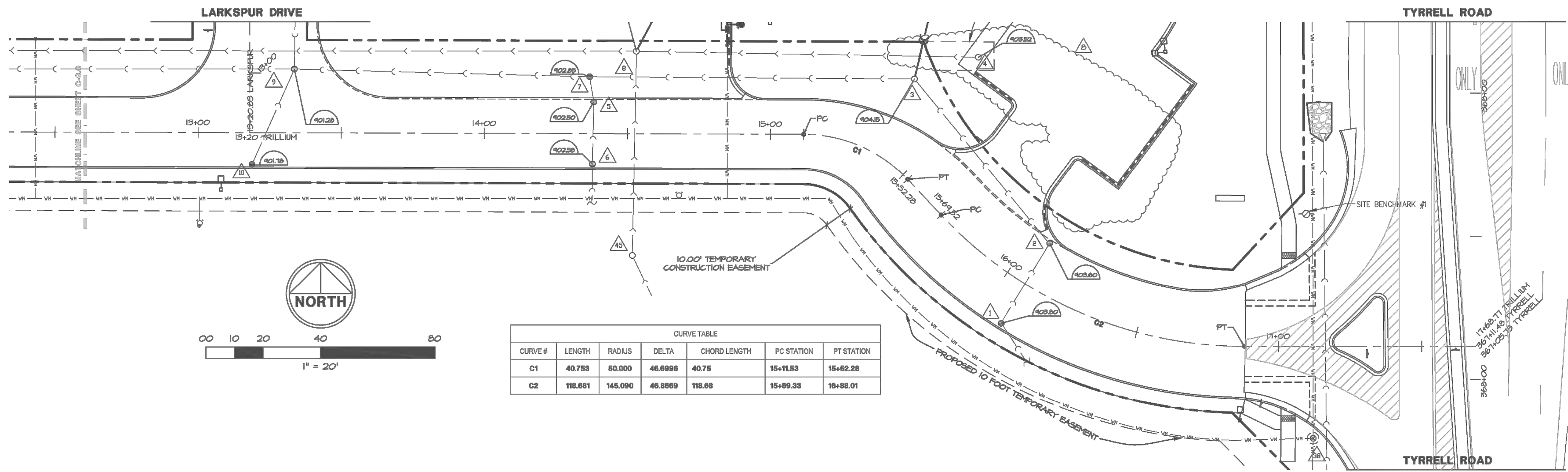
**TRILLIUM DRIVE
PLAN AND
PROFILE**

START DATE:	12-17-15
SCALE:	AS SHOWN
DRAWN:	CMS
CHECK:	JEG
JOB:	CE15072
SHEET:	

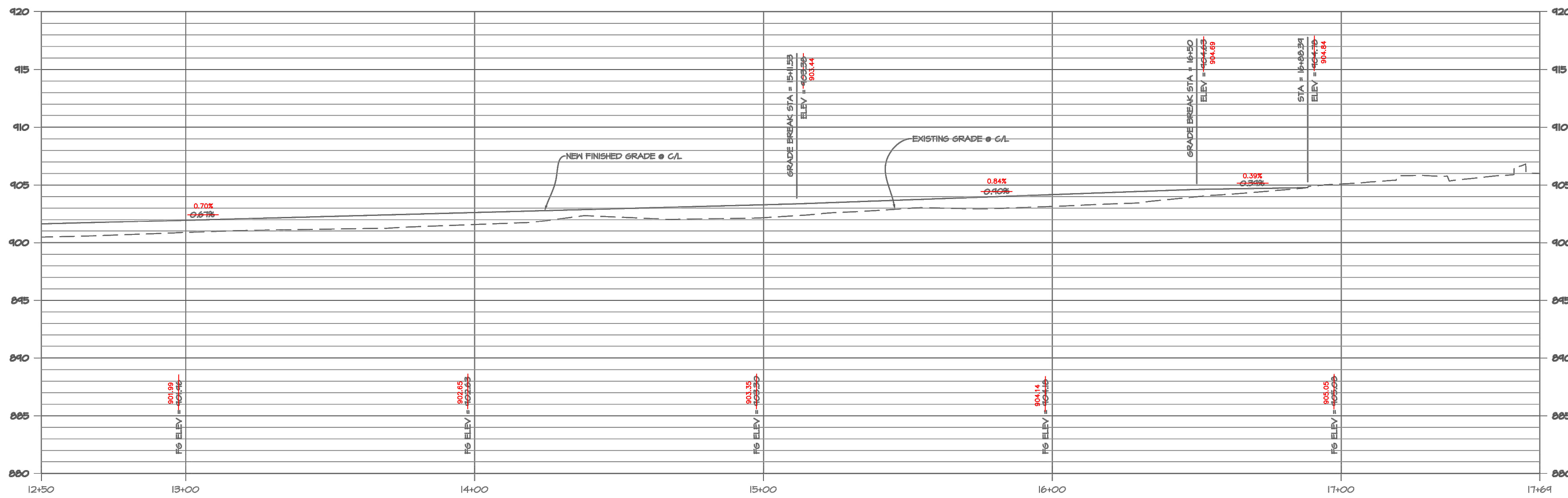
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EXISTING UTILITY DATA

- △ 1 RIM=903.41' (STORM)
48" CONCRETE STRUCTURE
INV=898.91' (15" RCP NE)
INV=899.08' (15" RCP SE)
- △ 2 RIM=903.35' (STORM)
48" CONCRETE STRUCTURE
INV=898.55' (18" RCP NW)
INV=898.65' (15" RCP SW)
- △ 3 RIM=903.23' (STORM)
48" CONCRETE STRUCTURE
INV=898.04' (18" RCP SE)
INV=897.99' (18" RCP W)
- △ 4 RIM=903.18' (SANITARY)
48" CONCRETE STRUCTURE
INV=892.89' (8" PVC W)
- △ 5 RIM=902.32' (STORM)
48" CONCRETE STRUCTURE
INV=896.95' (21" RCP S)
INV=897.07' (21" RCP SE)
- △ 6 RIM=902.41' (STORM)
48" CONCRETE STRUCTURE
INV=897.15' (21" RCP N)
INV=897.15' (16" DI S)
- △ 7 RIM=902.85' (STORM)
60" CONCRETE STRUCTURE
INV=896.85' (18" RCP E)
INV=896.78' (21" RCP S)
INV=896.78' (24" RCP W)
- △ 8 RIM=903.31' (SANITARY)
48" CONCRETE STRUCTURE
INV=892.27' (8" PVC E/S/W)
- △ 9 RIM=901.28' (STORM)
84" CONCRETE STRUCTURE
INV=893.58' (24" RCP N)
INV=896.04' (24" RCP E)
INV=892.98' (36" RCP W)
15" RCP SSW UNABLE TO GET INV.
- △ 10 RIM=901.74' (STORM)
48" CONCRETE STRUCTURE
INV=898.05' (15" RCP NE)
INV=898.05' (12" DI SW)
- △ 45 RIM=902.68' (SANITARY)
48" CONCRETE STRUCTURE
INV=893.37' (8" PVC N)
INV=893.38' (6" PVC SE)



CURVE TABLE						
CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH	PC STATION	PT STATION
C1	40.753	50.000	46.8998	40.75	15+11.53	15+52.28
C2	118.881	145.090	46.8689	118.68	15+89.33	16+88.01



PROFILE

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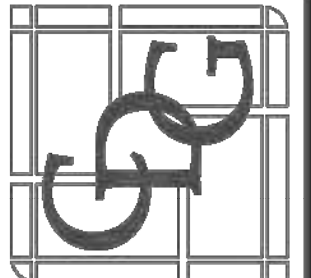


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NO	REVISIONS	DATE	BY
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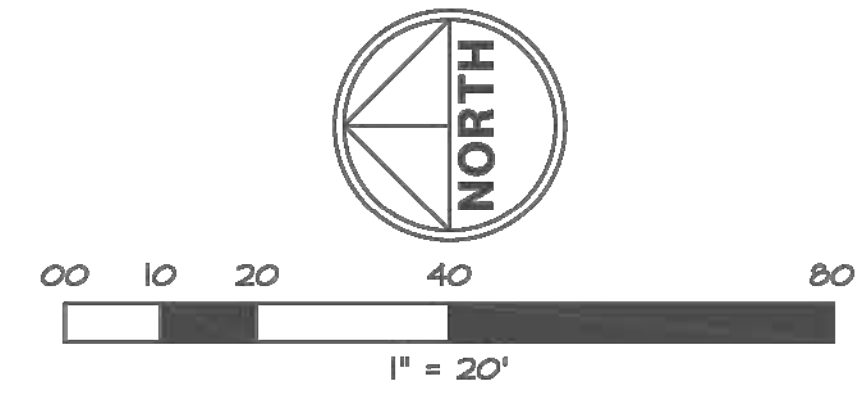
CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
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PH: 224.293.6333
FAX: 224.293.6444
IL PROFESSIONAL DESIGN FIRM NO. 184-04313



GLOGOVSKY OIL COMPANY
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(HIGGINS RD.)
GILBERTS, IL 60136

**TRILLIUM DRIVE
PLAN AND
PROFILE**

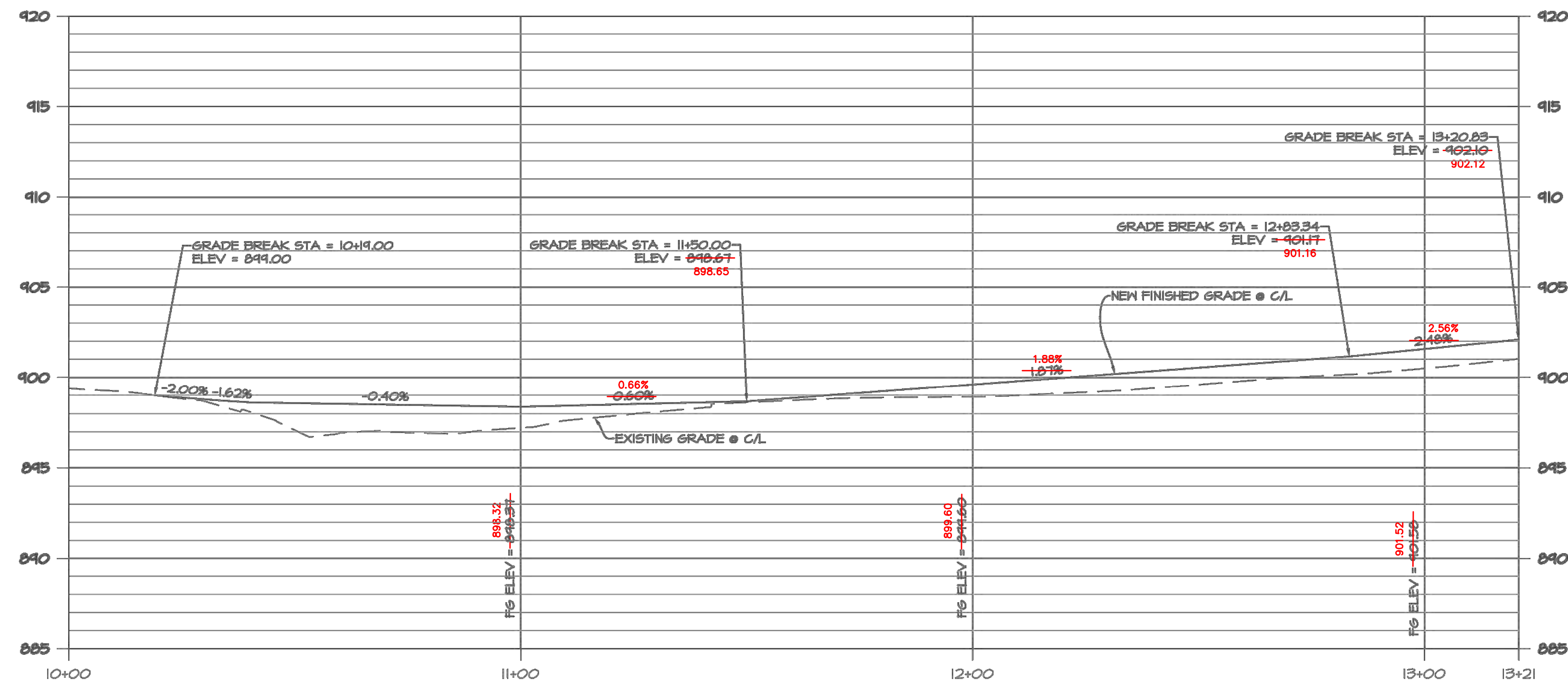
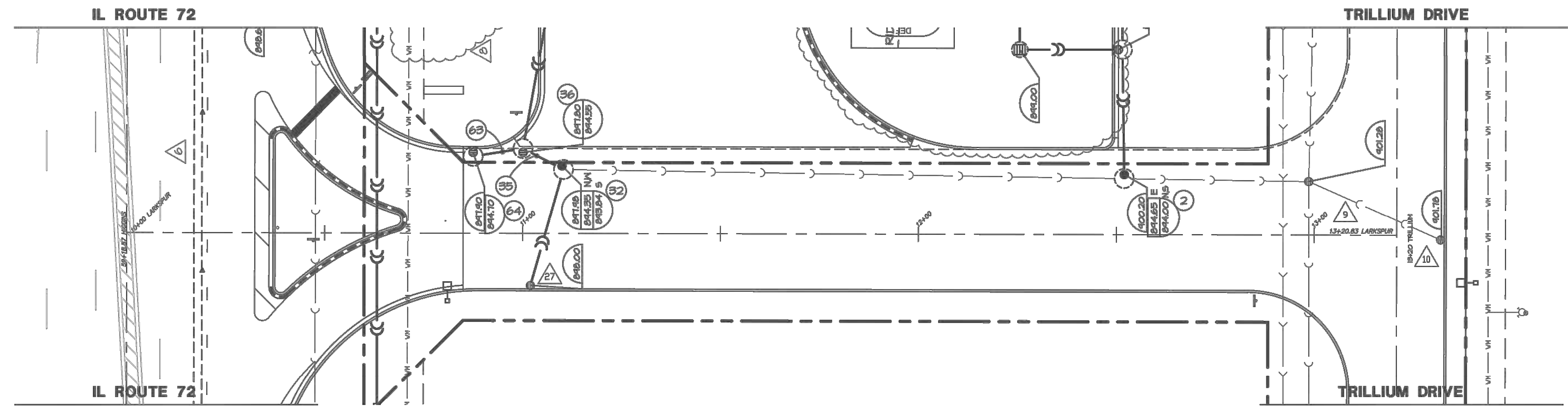
START DATE:	12-17-15
SCALE:	AS SHOWN
DRAWN:	CMS
CHECK:	JEG
JOB:	CE15072
SHEET:	C-9.1



PROJECT NOTES:

STORM SEWER

1. CONNECT TO EXISTING STORM SEWER.
2. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-112 FR & GR.
3. NEW 18" RCP, 33 LF. @ 1.22% SLOPE.
4. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-2504-D FR & GR.
5. NEW 12" RCP, 44 LF. @ 0.37% SLOPE.
6. NEW 24" DIA. PRECAST CONCRETE INLET W/ NEENAH R-2504-D FR & GR.
7. NEW 8" PVC SDR 26, TOTAL 82 LF. @ MIN 1.00% SLOPE WITH ALL FITTINGS REQUIRED.
8. NEW 8" CLEANOUT.
9. NEW 18" RCP, 87 LF. @ 0.62% SLOPE.
10. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-2504-D FR & GR.
11. NEW 18" RCP, 80 LF. @ 0.50% SLOPE.
12. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-2504-D FR & GR.
13. NEW 18" RCP, 162 LF. @ 0.52% SLOPE.
14. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-2504-D FR & GR.
15. NEW 12" RCP, 36 LF. @ 0.47% SLOPE.
16. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-112 FR & GR.
17. NEW 12" RCP, 32 LF. @ 0.62% SLOPE.
18. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-2504-D FR & GR.
19. NEW 12" RCP, 56 LF. @ 0.54% SLOPE.
20. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-2504-D FR & GR.
21. NEW 12" RCP, 65 LF. @ 0.54% SLOPE.
22. NEW 24" DIA. INLET W/ NEENAH R-2504-D FR & GR.
23. NEW 8" PVC SDR 26, TOTAL 161 LF. @ MIN 1.00% SLOPE WITH ALL FITTINGS REQUIRED.
24. NEW CANOPY DOWNPOUT CONNECTIONS, COORDINATE EXACT LOCATION AND CONNECTION DETAILS WITH ARCHITECTURAL CANOPY DRAWINGS (TOTAL 12).
25. NEW 12" RCP, 17 LF. @ 0.52% SLOPE.
26. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH FLAT SLAB TOP W/ NEENAH R-2504-D FR & GR.
27. NEW 12" RCP, 87 LF. @ 0.75% SLOPE.
28. NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH FLAT SLAB TOP W/ NEENAH R-2504-D FR & GR.
29. NEW 12" RCP, 17 LF. @ 0.54% SLOPE.
30. NEW 24" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-2504-D FR & GR.
31. CONNECT TO EXISTING STORM SEWER.
32. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-112 FR & GR.
33. NEW 12" RCP, 31 LF. @ 0.65% SLOPE, 1.88% SLOPE.
34. REINSTALL EXISTING 24" DIA. CONCRETE STRUCTURE. INSTALL NEENAH R-3070 CURB INLET FRAME, GRATE, AND CURB BOX.
35. NEW 15" RCP, 12 LF. @ 1.87% SLOPE, 5.97% SLOPE.
36. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-3448-C FR & GR.
37. NEW 12" RCP, 37 LF. @ 1.22% SLOPE.
38. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-3070 FR & GR.
39. EXISTING MANHOLE TO REMAIN. CORE DRILL AND BOOT AND CONNECT NEW STORM SEWER TO EXISTING MANHOLE.
40. NEW 12" RCP, 20 LF. @ 1.00% SLOPE.
41. NEW 24" DIA. CATCH BASIN W/ NEENAH R-2504-D FR & GR.
42. NEW 12" PVC SDR 26, 21 LF. @ 1.00% SLOPE.
43. NEW 8" PVC SDR 26, 47 LF. @ 1.00% SLOPE.
44. NEW 8" PVC SDR 26, 47 LF. @ 1.00% SLOPE.
45. NEW 15" F.E.S. WITH GRATE.
46. NEW 15" RCP, 116 LF. @ 0.42% SLOPE.
47. NEW 15" F.E.S. WITH GRATE.
48. CONNECT TO EXISTING STORM SEWER.
49. NEW 12" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-112 FR & GR.
50. NEW 12" RCP, 8 LF. @ 2.50% SLOPE.
51. NEW 48" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-4942 FR & GR.
52. NEW 24" DIA. PRECAST CONCRETE CATCH BASIN W/ NEENAH R-4942 FR & GR.
53. NEW 12" RCP, 20 LF. @ 1.00% SLOPE.
54. NEW 12" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-112 FR & GR.
55. CONNECT TO EXISTING STORM SEWER.
56. NEW 12" DIA. ADS DRAIN BASIN (SOLID LID).
57. EXISTING STORM SEWER TO REMAIN.
58. EXISTING STORM MANHOLE TO REMAIN.
59. EXISTING MANHOLE TO REMAIN. INSTALL NEENAH R-3070 CURB INLET FRAME, GRATE, AND CURB BOX. ADJUST EXISTING FLAT SLAB TOP SO THAT CURB BOX ALIGNS WITH NEW CURB. ADD ADJUSTMENT RINGS TO MEET PROPOSED RIM ELEVATION.
60. EXISTING MANHOLE TO REMAIN. INSTALL NEENAH R-3448-C RECTANGULAR GUTTER INLET FRAME AND GRATE. ADJUST EXISTING FLAT SLAB TOP SO THAT GRATE ALIGNS WITH THE FACE OF CURB. ADD ADJUSTMENT RINGS TO MEET PROPOSED RIM ELEVATION.
61. INSTALL NEW NEENAH R-112 FRAME & GRATE. ADJUST EXISTING STRUCTURE TO MEET PROPOSED RIM ELEVATION.
62. ADJUST EXISTING MANHOLE TO MEET NEW RIM ELEVATION. REPLACE OPEN GRATE LID WITH SOLID LID.
63. NEW 12" RCP, 19 LF. @ 1.88% SLOPE, 0.15% SLOPE.
64. NEW 48" DIA. PRECAST CONCRETE MANHOLE W/ NEENAH R-3070 FR & GR.



PROFILE

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'

EXISTING UTILITY DATA

1. RM=903.41' (STORM) 48" CONCRETE STRUCTURE INV=898.91' (15' RCP NE) INV=899.08' (15' RCP SE)	2. RM=902.41' (STORM) 48" CONCRETE STRUCTURE INV=897.15' (21' RCP N) INV=897.15' (16" DI S)	3. RM=902.95' (STORM) 60" CONCRETE STRUCTURE INV=896.85' (18" RCP E) INV=896.78' (21" RCP S) INV=896.78' (24" RCP W)	4. RM=903.23' (STORM) 48" CONCRETE STRUCTURE INV=898.04' (18" RCP NW) INV=898.65' (15' RCP SW)	5. RM=903.35' (STORM) 48" CONCRETE STRUCTURE INV=898.55' (18" RCP NW) INV=898.65' (15' RCP SW)	6. RM=903.18' (SANITARY) 48" CONCRETE STRUCTURE INV=892.89' (8" PVC W)	7. RM=902.32' (STORM) 48" CONCRETE STRUCTURE INV=896.98' (21' RCP N) INV=897.07' (21' RCP S)	8. RM=902.41' (STORM) 48" CONCRETE STRUCTURE INV=898.05' (15" RCP NE) INV=898.05' (12" DI SW)	9. RM=898.03' (STORM) 24" CONCRETE STRUCTURE INV=894.85' (12" RCP E)	10. RM=902.95' (STORM) 72" CONCRETE STRUCTURE INV=891.97' (42" RCP E/W) INV=892.39' (10" C.P.P. S)	11. RM=898.76' (STORM) 72" CONCRETE STRUCTURE INV=892.21' (42" RCP SE/W)	12. RM=901.28' (STORM) 84" CONCRETE STRUCTURE INV=893.31' (24" RCP W) INV=896.04' (24" RCP E) INV=892.98' (36" RCP W) 15" RCP SSW UNABLE TO GET INV.	13. RM=897.58' (STORM) 48" CONCRETE STRUCTURE INV=892.83' (42" RCP E/W) INV=893.97' (8" PVC S)	14. RM=897.10' (WATER) 48" CONCRETE STRUCTURE 892.45' AT TOP OF 12" DI WATERMAIN E/W	15. RM=899.56' (WATER) 48" CONCRETE STRUCTURE 894.19' AT TOP OF 12" DI WATERMAIN N/S	16. RM=905.84' (WATER) 48" CONCRETE STRUCTURE 899.48' AT TOP OF 12" DI WATERMAIN N/S 899.48' AT TOP OF 8" DI WATERMAIN EAST	17. RM=900.11' (SANITARY) 60" CONCRETE STRUCTURE INV=892.88' (42" RCP E/W)	18. RM=902.88' (SANITARY) 48" CONCRETE STRUCTURE INV=893.37' (8" PVC N) INV=893.38' (8" PVC SE)
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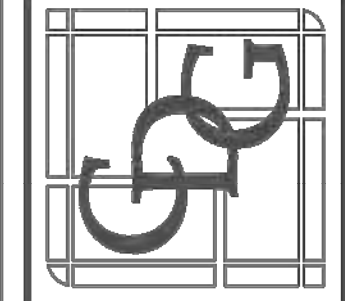
RECORD DRAWING 01/18/22

LEGEND: XXX.XX = AS-BUILT GRADE
AS-BUILT CONDITIONS SHOWN HEREON
PREPARED BY:
WT GROUP LLC
2675 PRATUM AVENUE
HOFFMAN ESTATES, ILLINOIS 60192
PH. 224-293-6333
WT GROUP JOB #: S2200006



NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
5	ISSUED FOR CONSTRUCTION	7-12-2016	CMS
6	PER IDOT'S COMMENTS	8-18-2016	CMS
7	PER VILLAGE COMMENTS	11-14-2016	CMS
8	PER OWNER COMMENTS	04-07-2017	CMS
9	PER IDOT COMMENTS	05-24-2017	CMS

CORPORATE DESIGN + DEVELOPMENT
GROUP, LLC
2675 PRATUM AVENUE
HOFFMAN ESTATES, ILLINOIS 60192
WWW.WTCIVIL.COM
L. PROFESSIONAL ENGINEER PERM NO. 18-060475



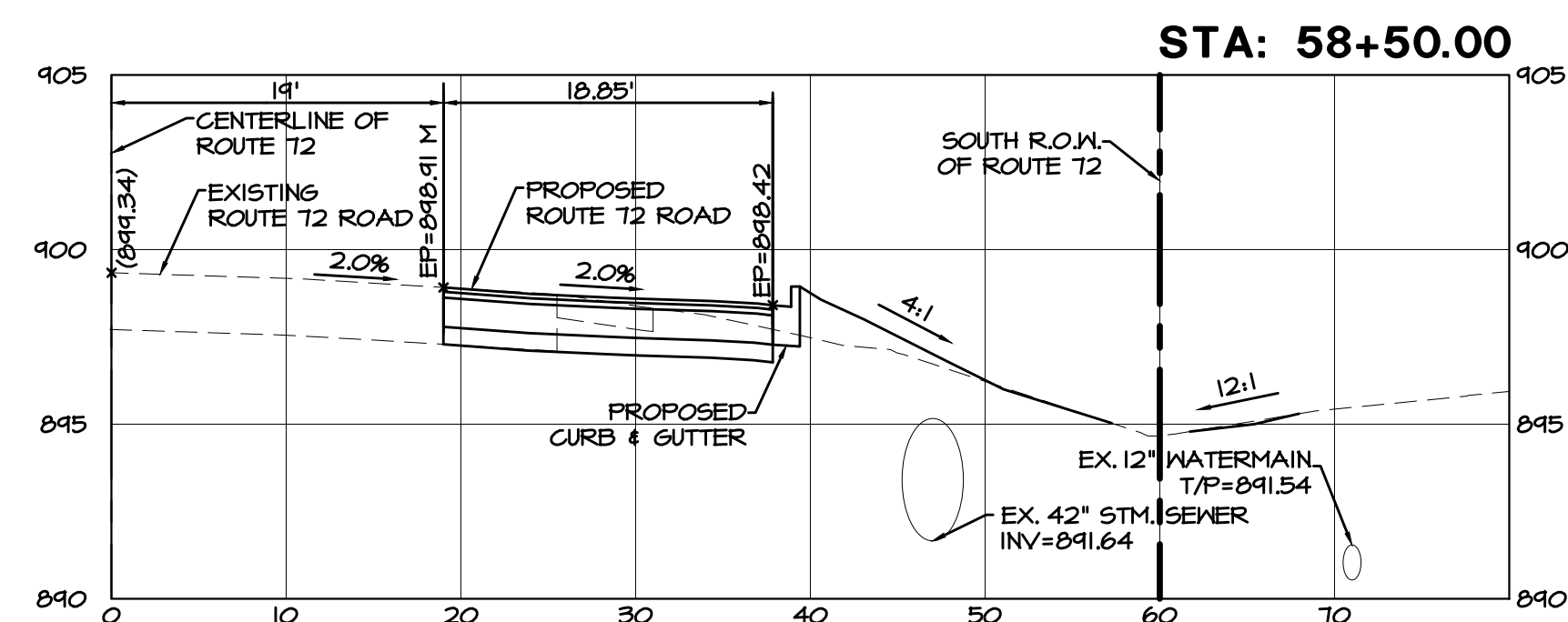
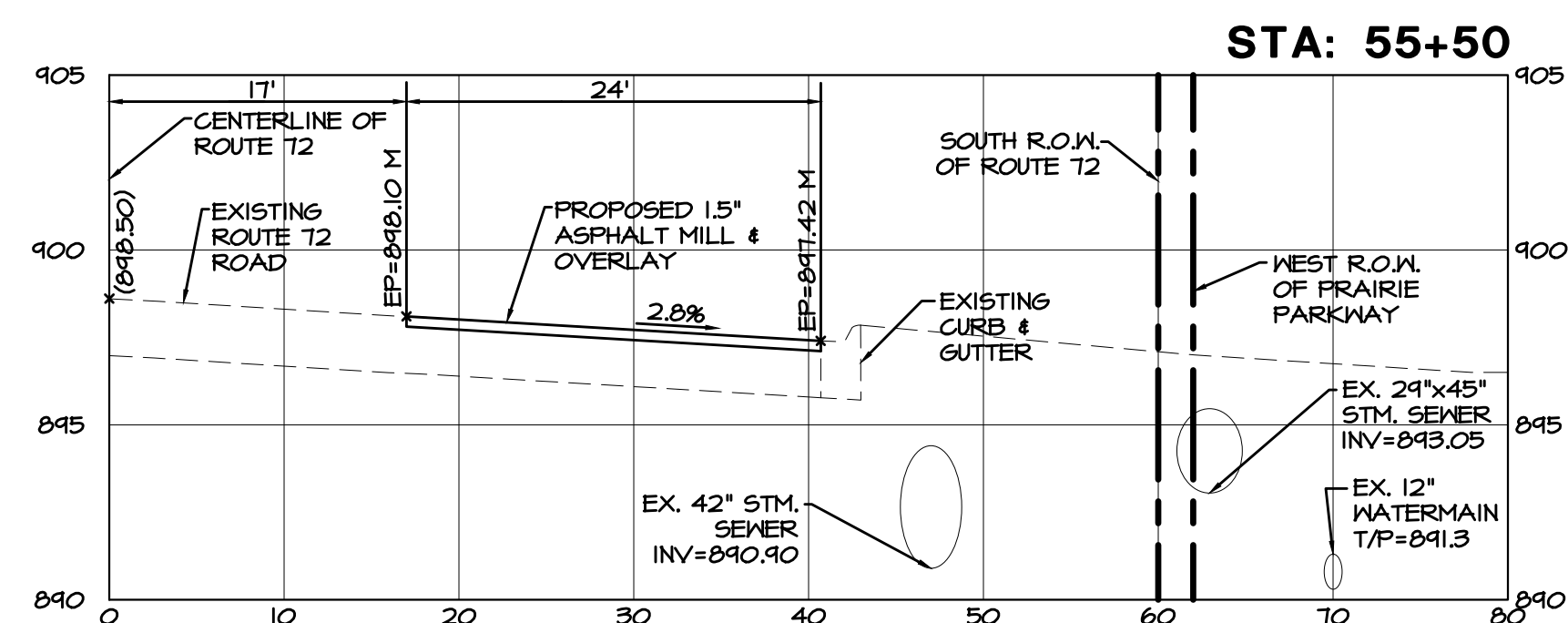
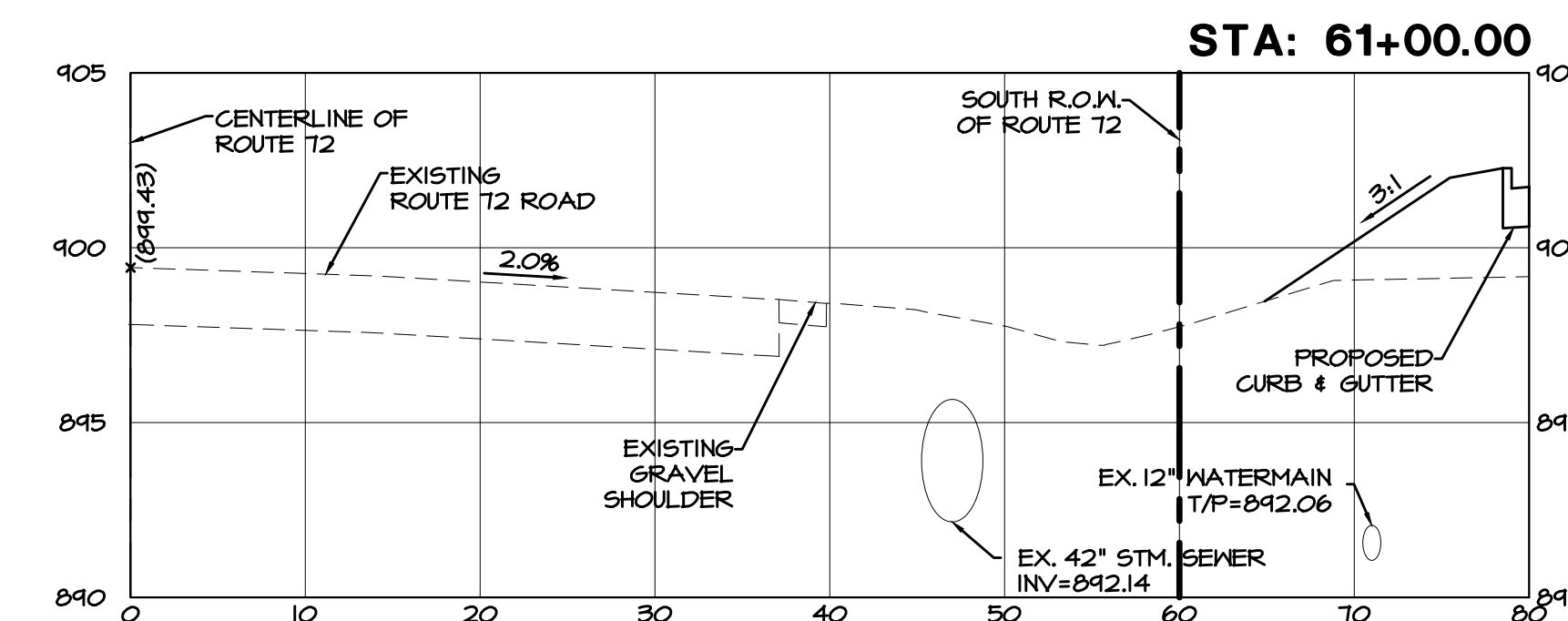
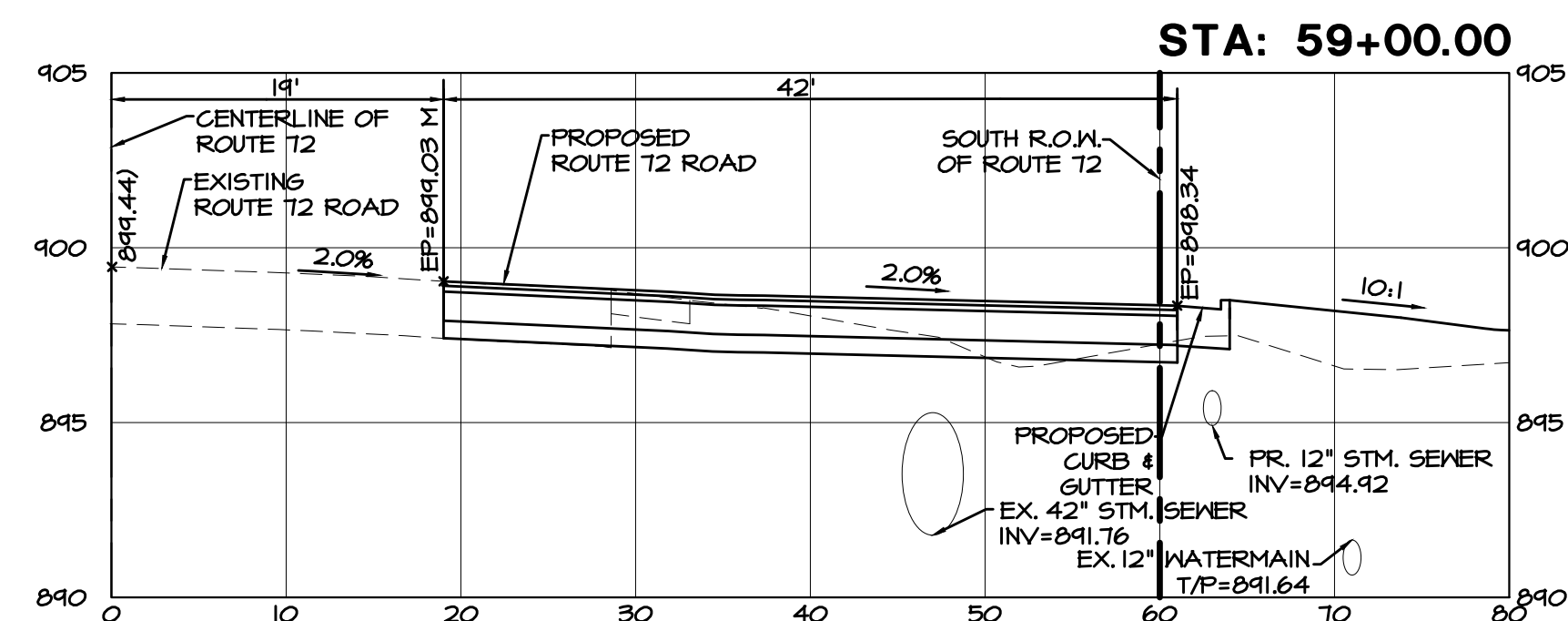
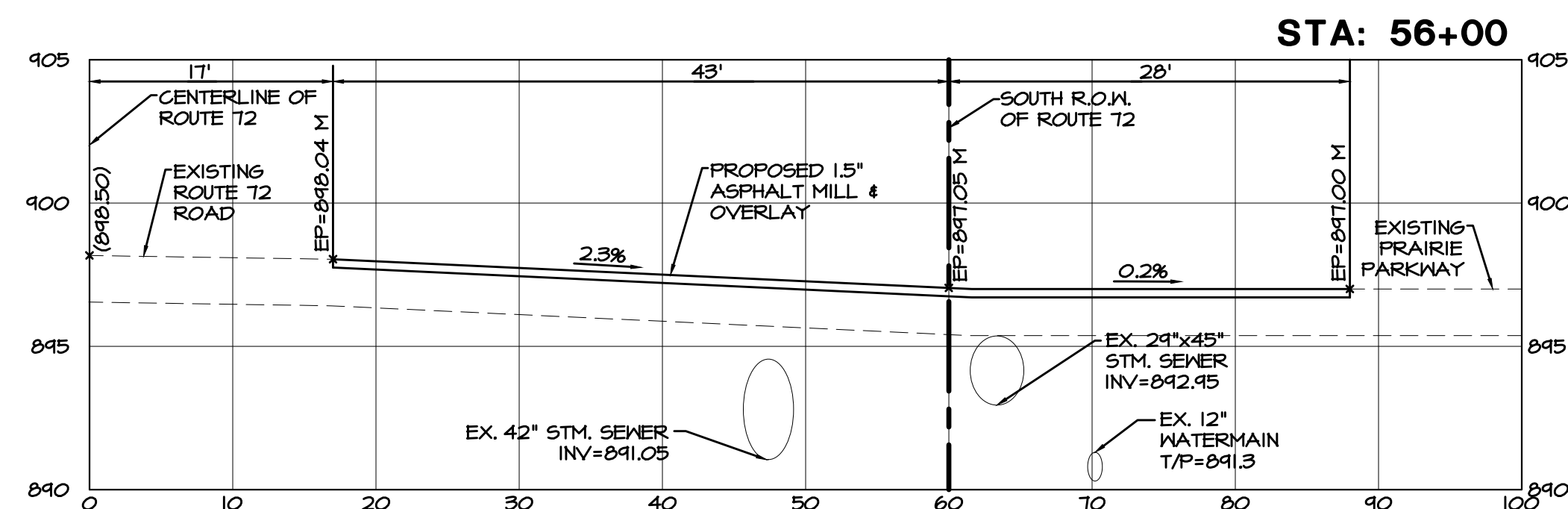
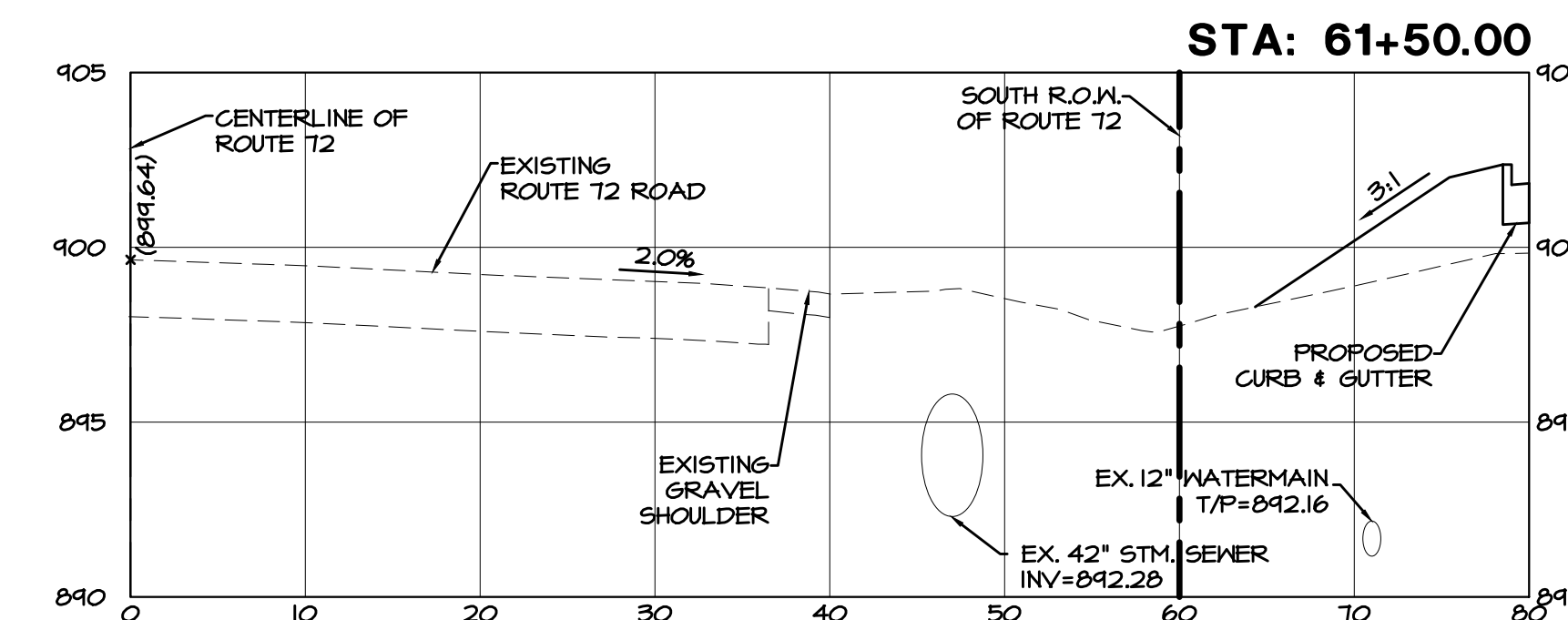
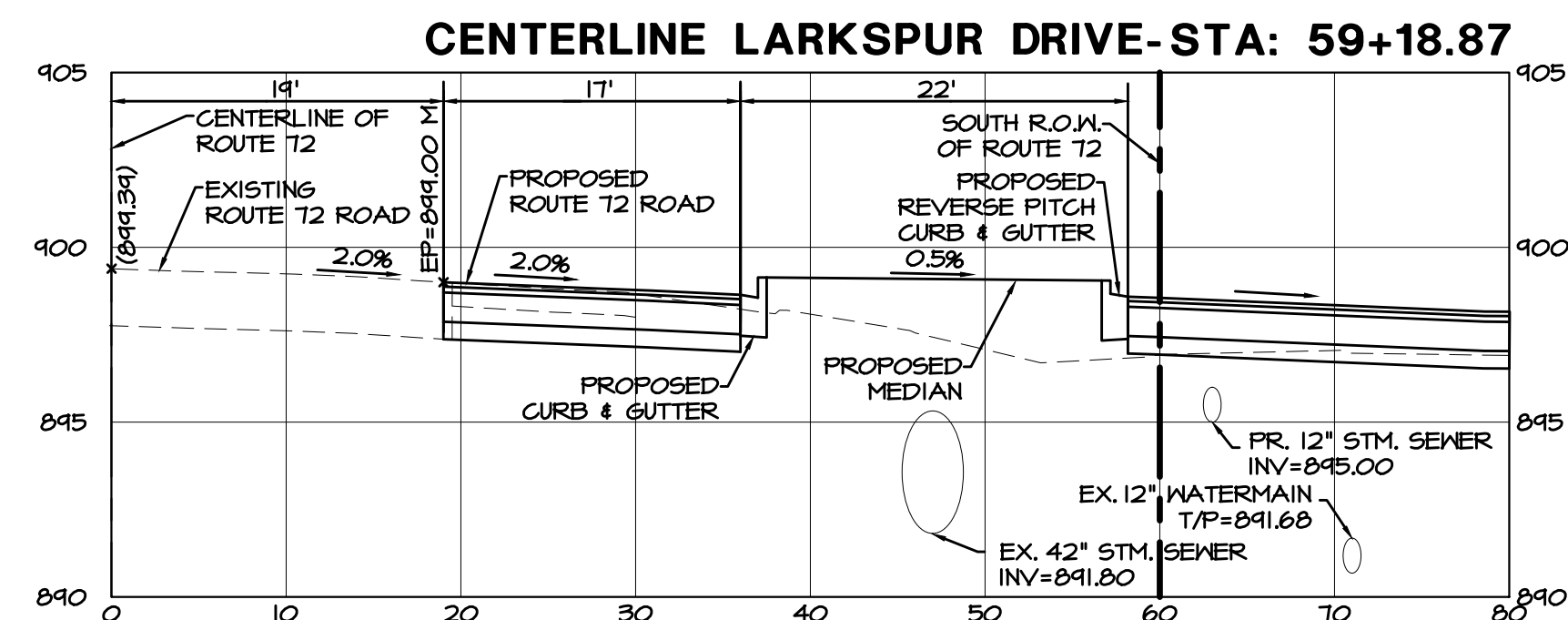
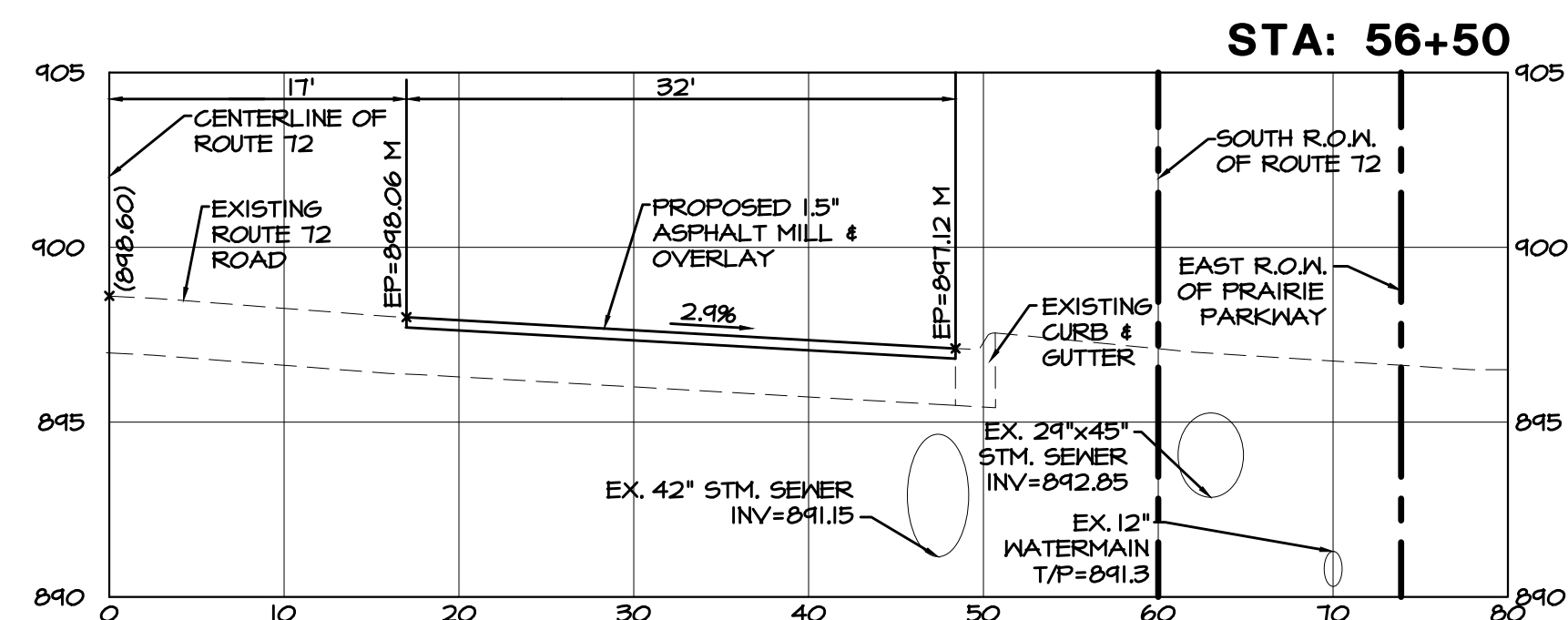
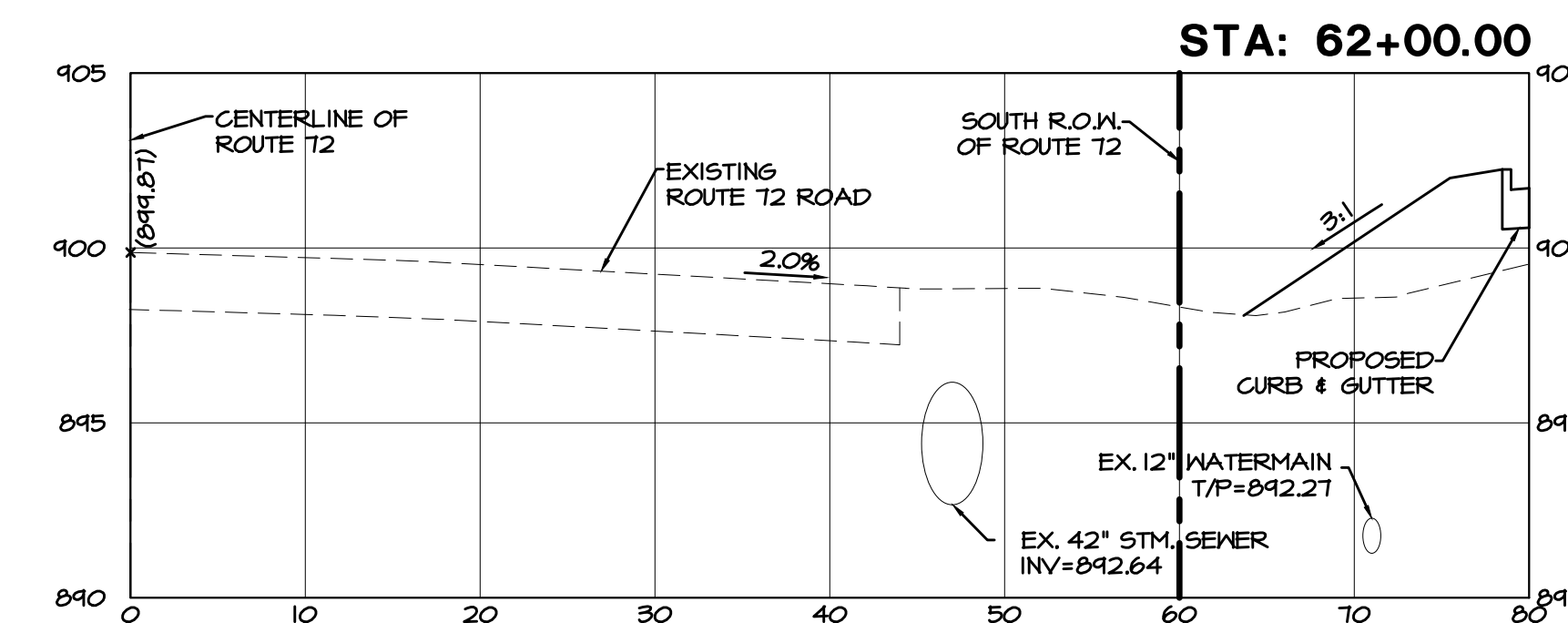
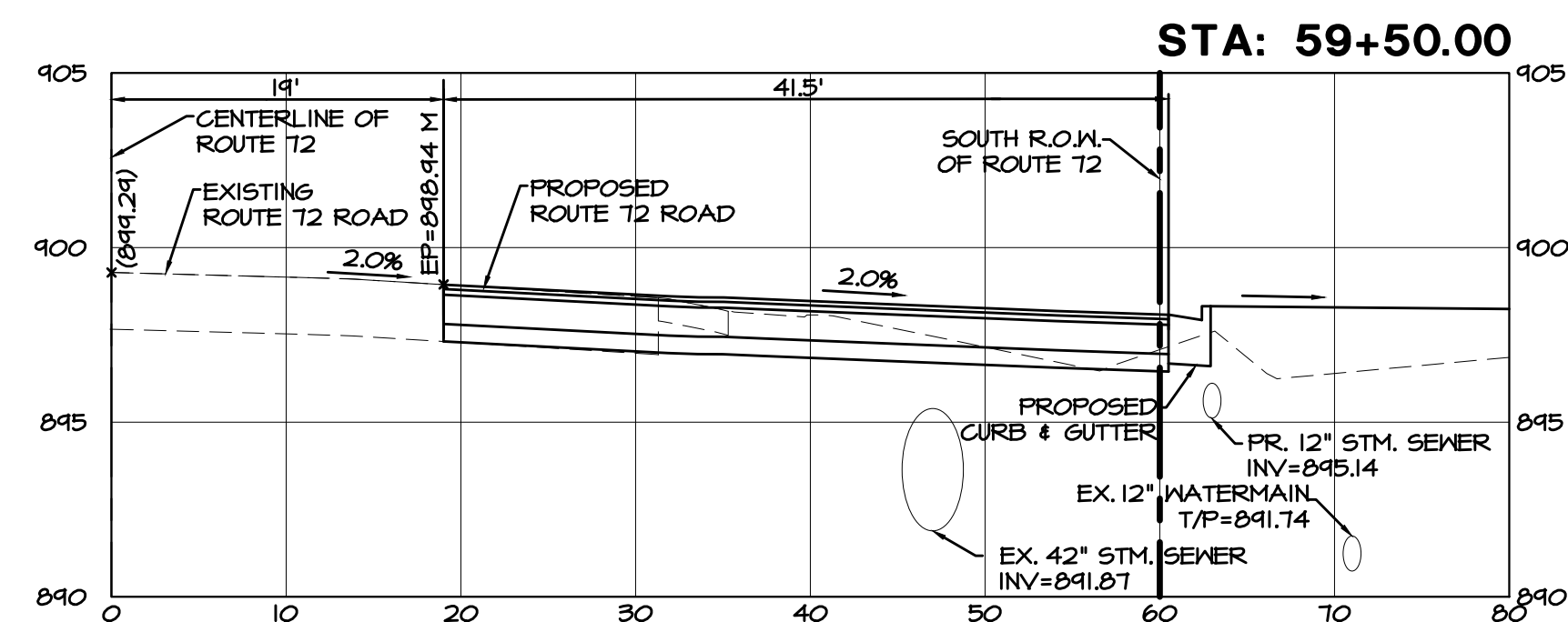
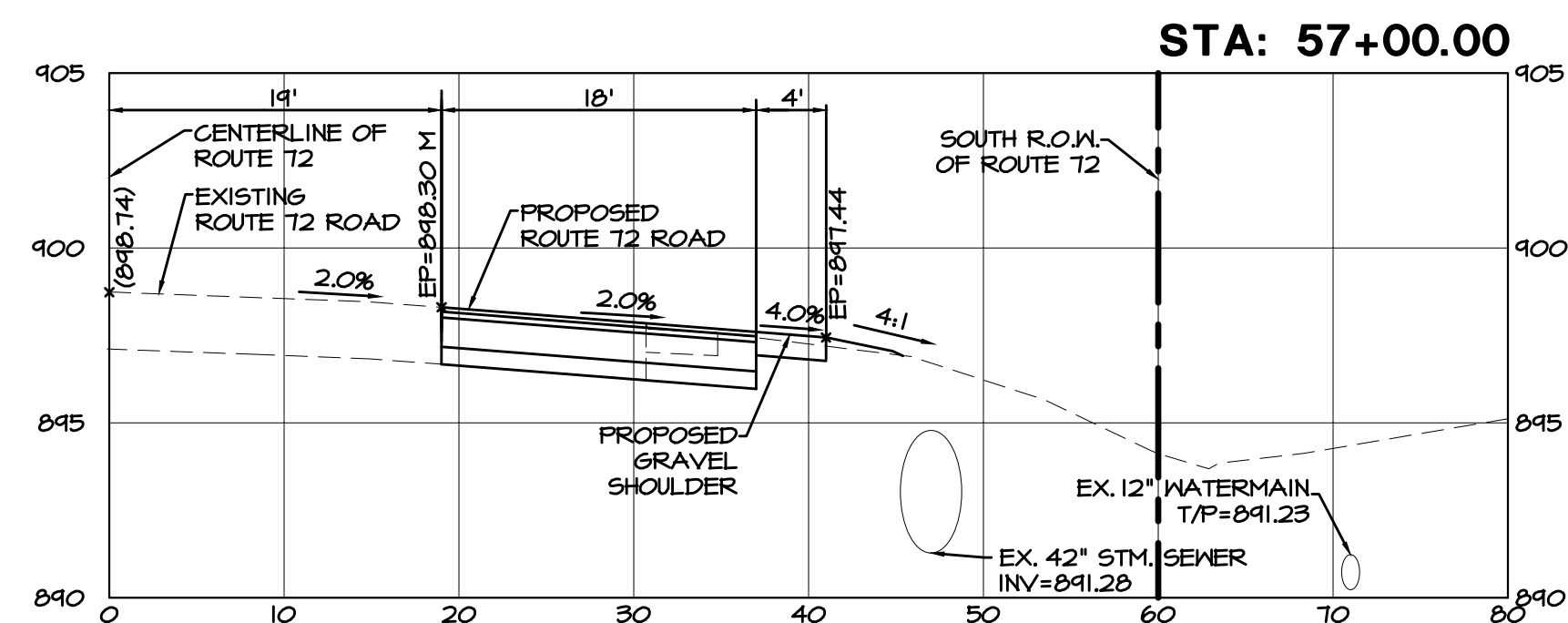
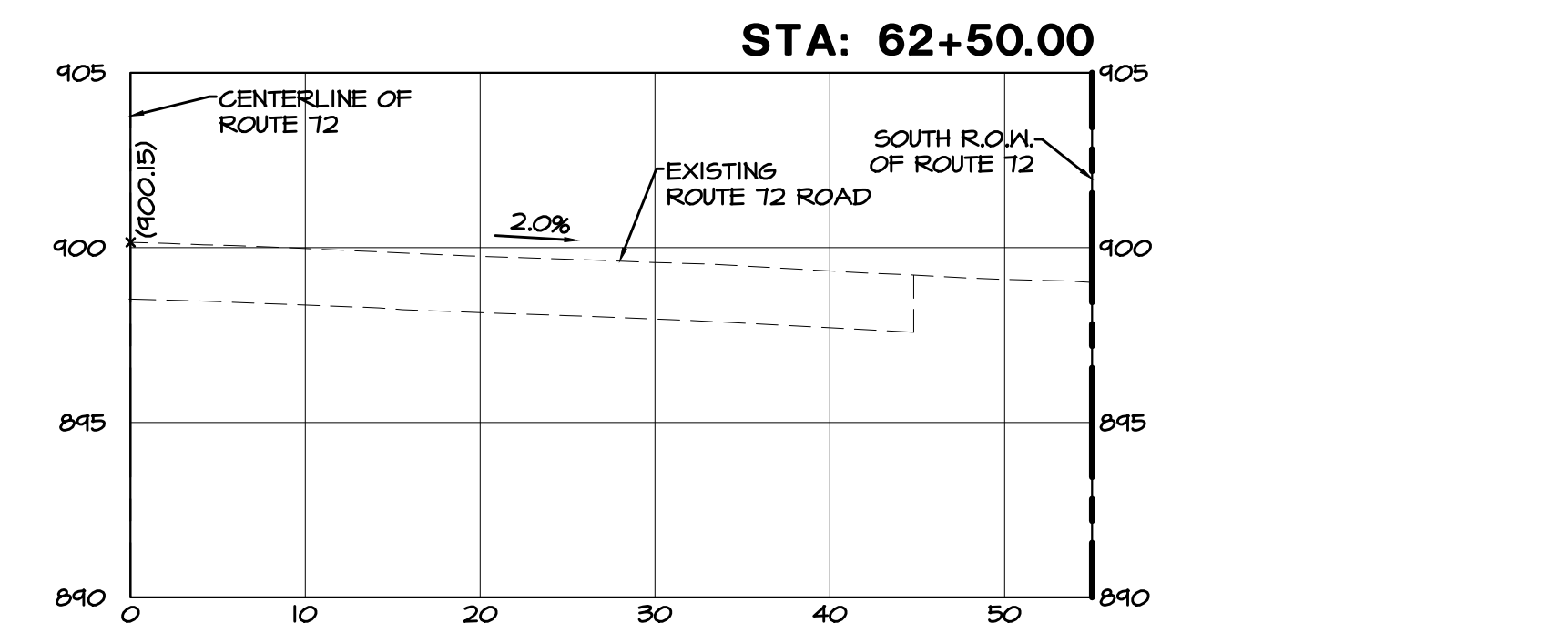
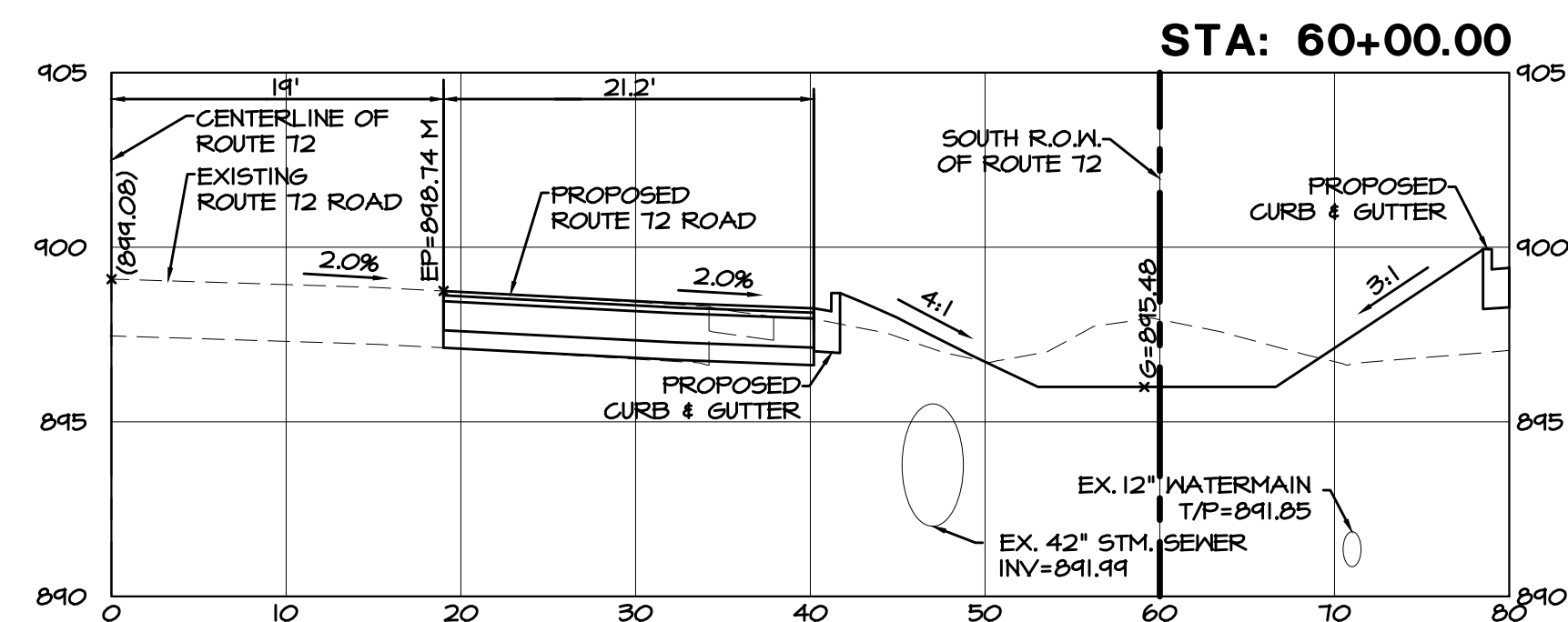
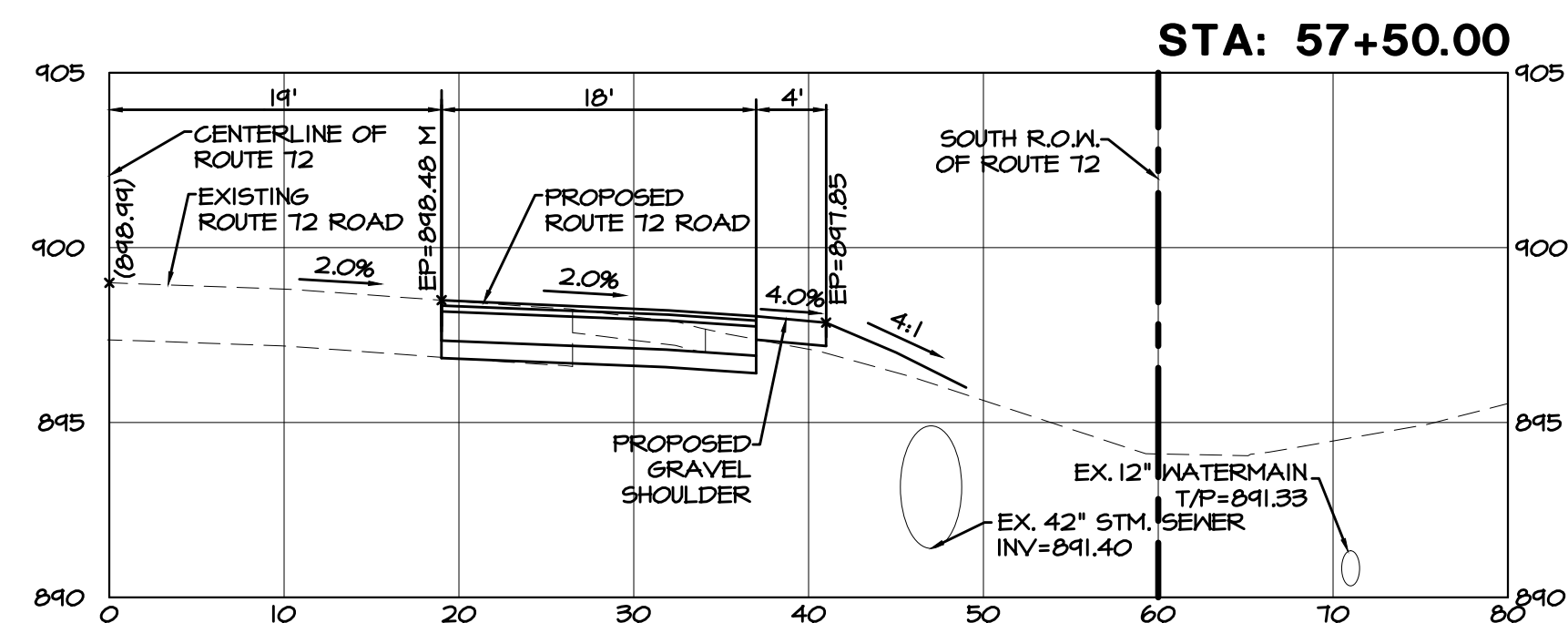
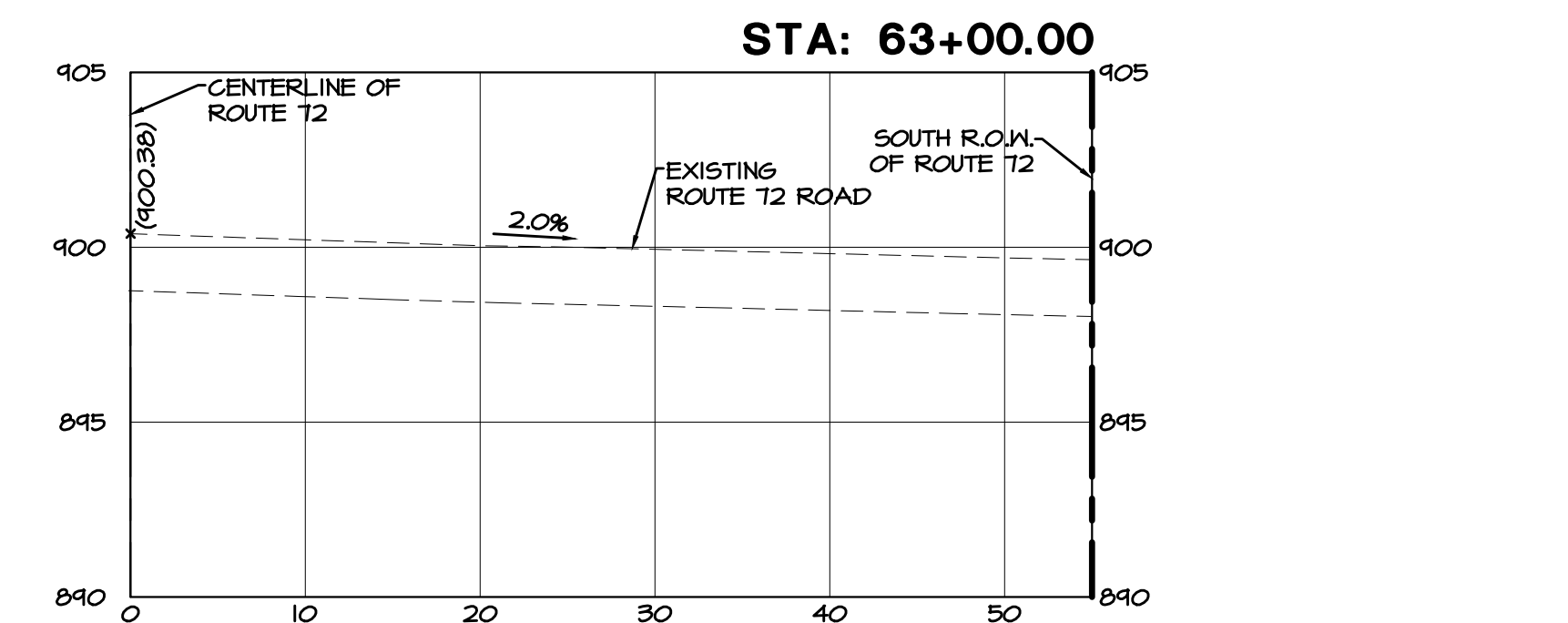
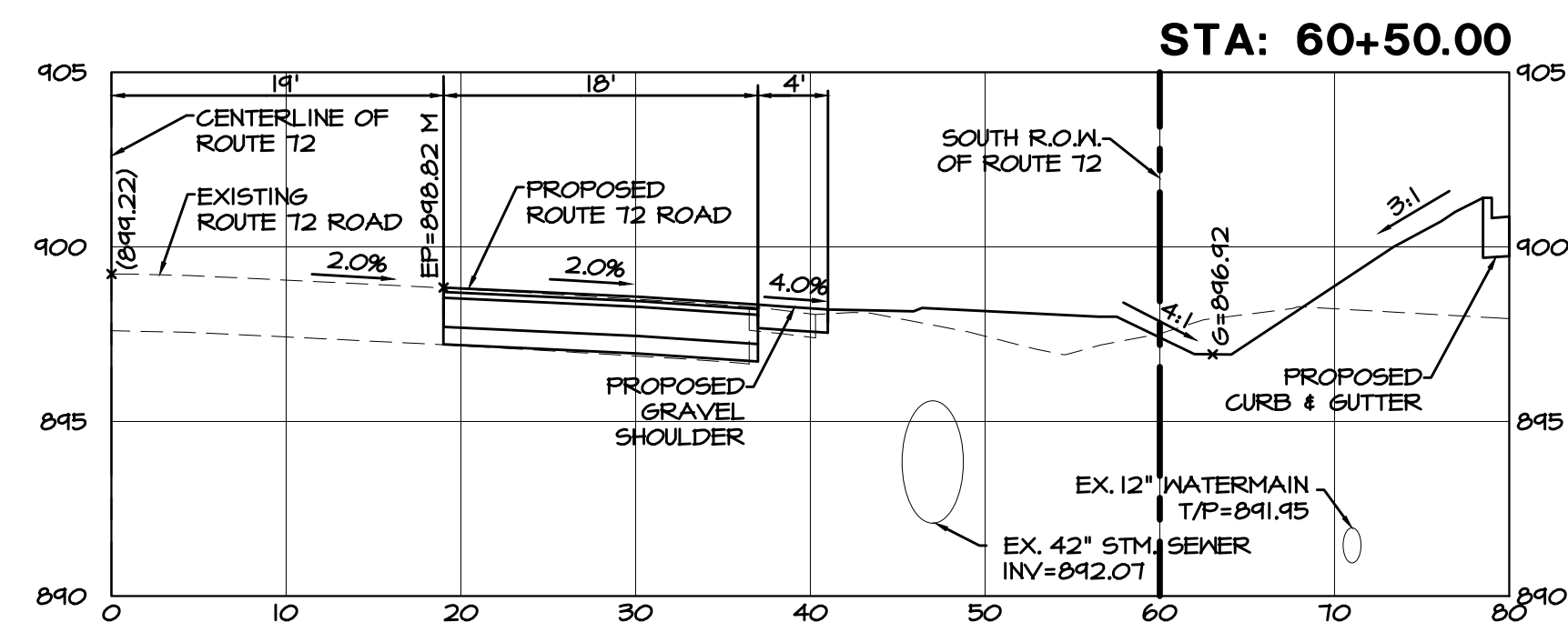
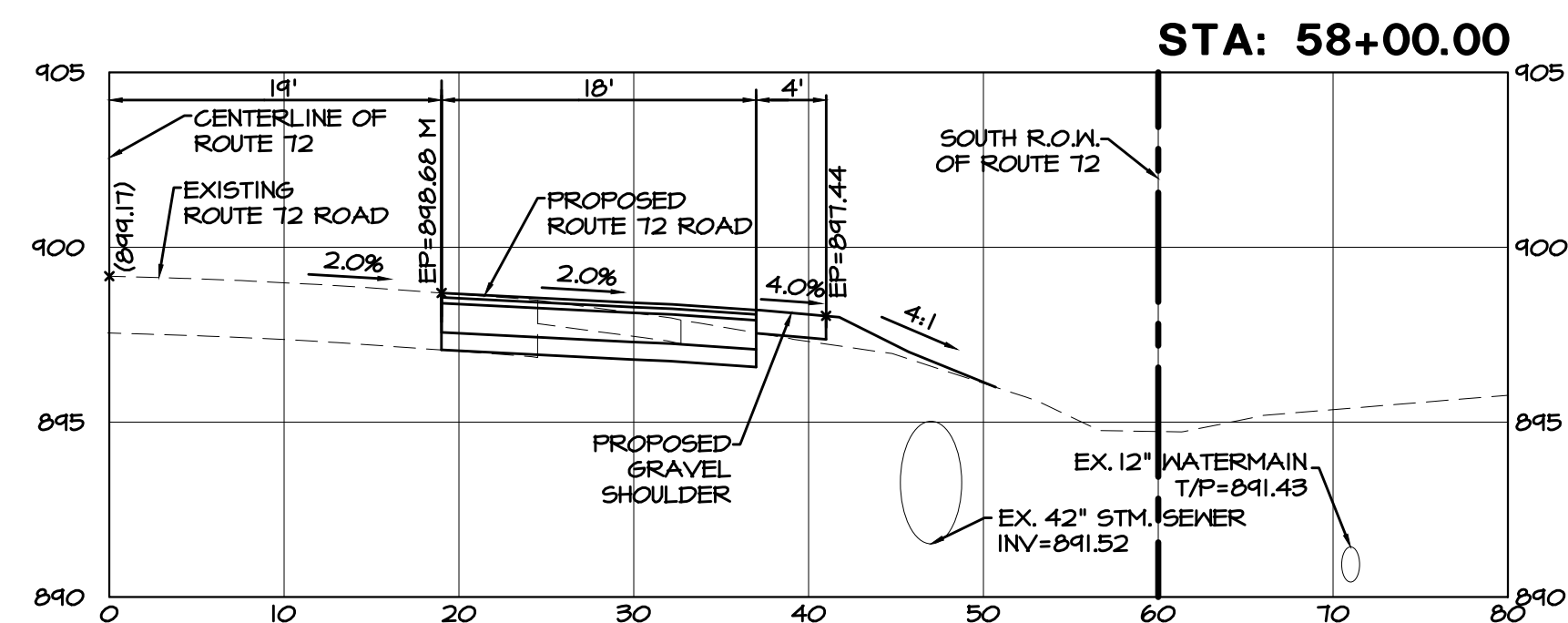
GLOGOVSKY OIL COMPANY
C-STORE
SWC TYRRELL & ILLINOIS ROUTE 72
(HIGGINS RD.)
GILBERTS, IL 60136

**LARKSPUR DRIVE
PLAN AND
PROFILE**

START DATE:	12-17-15
SCALE:	AS SHOWN
DRAWN:	CMS
CHECK:	JEG
JOB:	CE15072
SHEET:	C-9.2

AS-BUILT INFORMATION SHOWN IS ONLY FOR ROADWAY IMPROVEMENTS PER CONTRACT WITH CLIENT

W-T CIVIL ENGINEERING, LLC.
CIVIL AND STRUCTURAL ENGINEERS
2875 Pratum Avenue
Hoffman Estates, Illinois 60192
PH: (224) 293-6333 FAX: (224) 293-6444
www.wtcivil.com
ILL. License No.: 184.007570-0015 Exp: 04/30/19

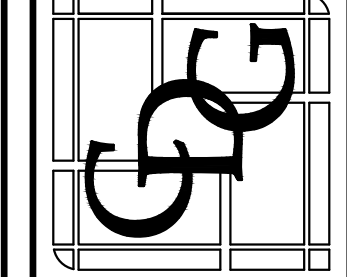


SCALE 1" = 10' HORIZ.
1" = 5' VERT.

W-T CIVIL ENGINEERING, LLC.
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 Hoffman Estates, Illinois 60192
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 www.wtcivilengineering.com
 IL License No.: 184.007570-0015 Exp: 04/30/19

NO.	REVISIONS	DATE	BY
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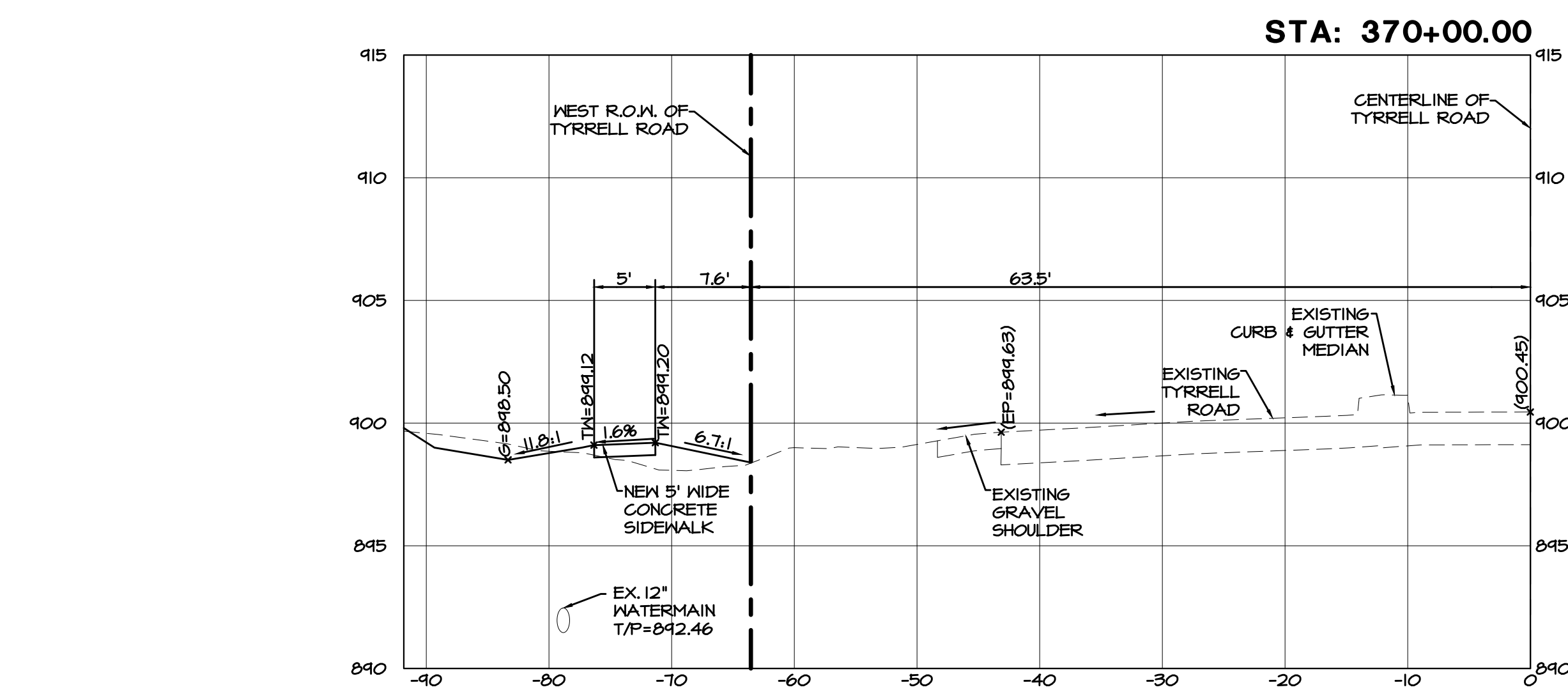
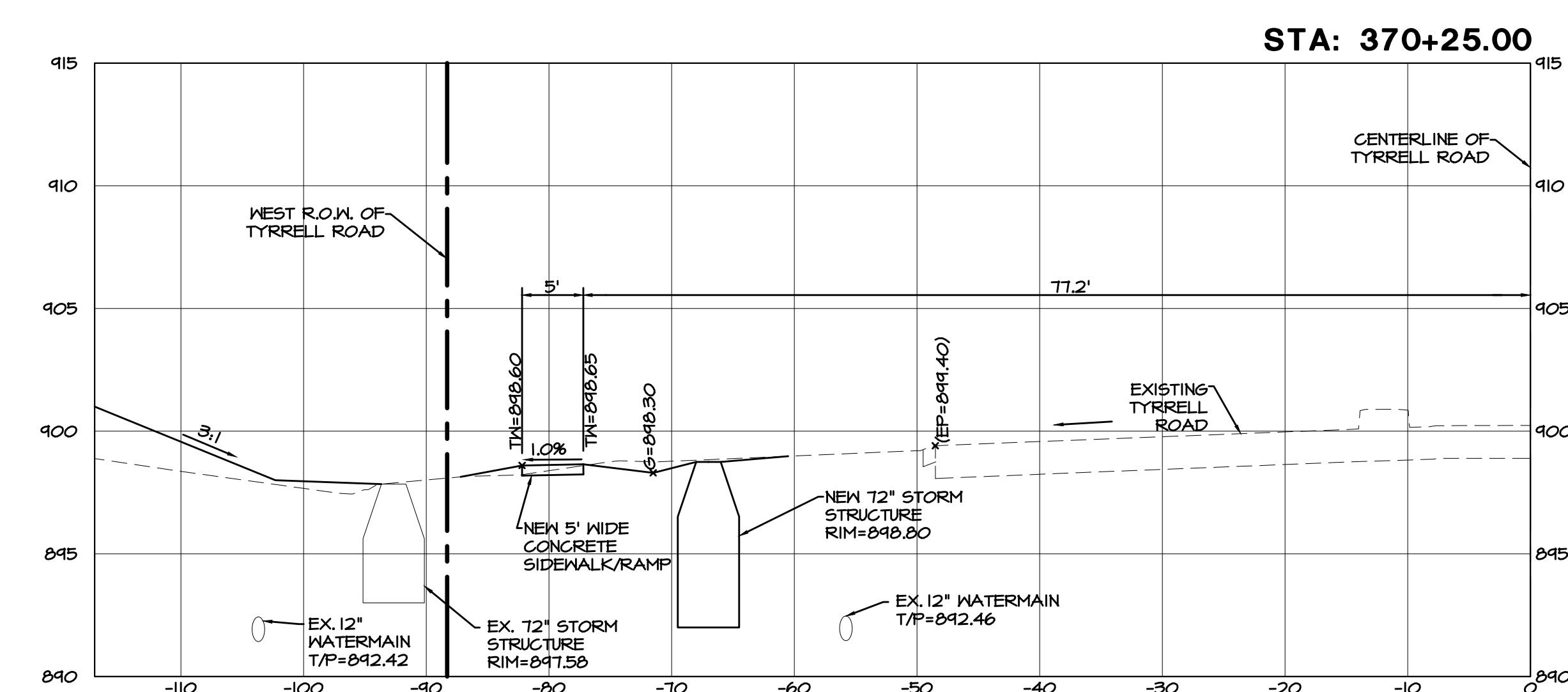
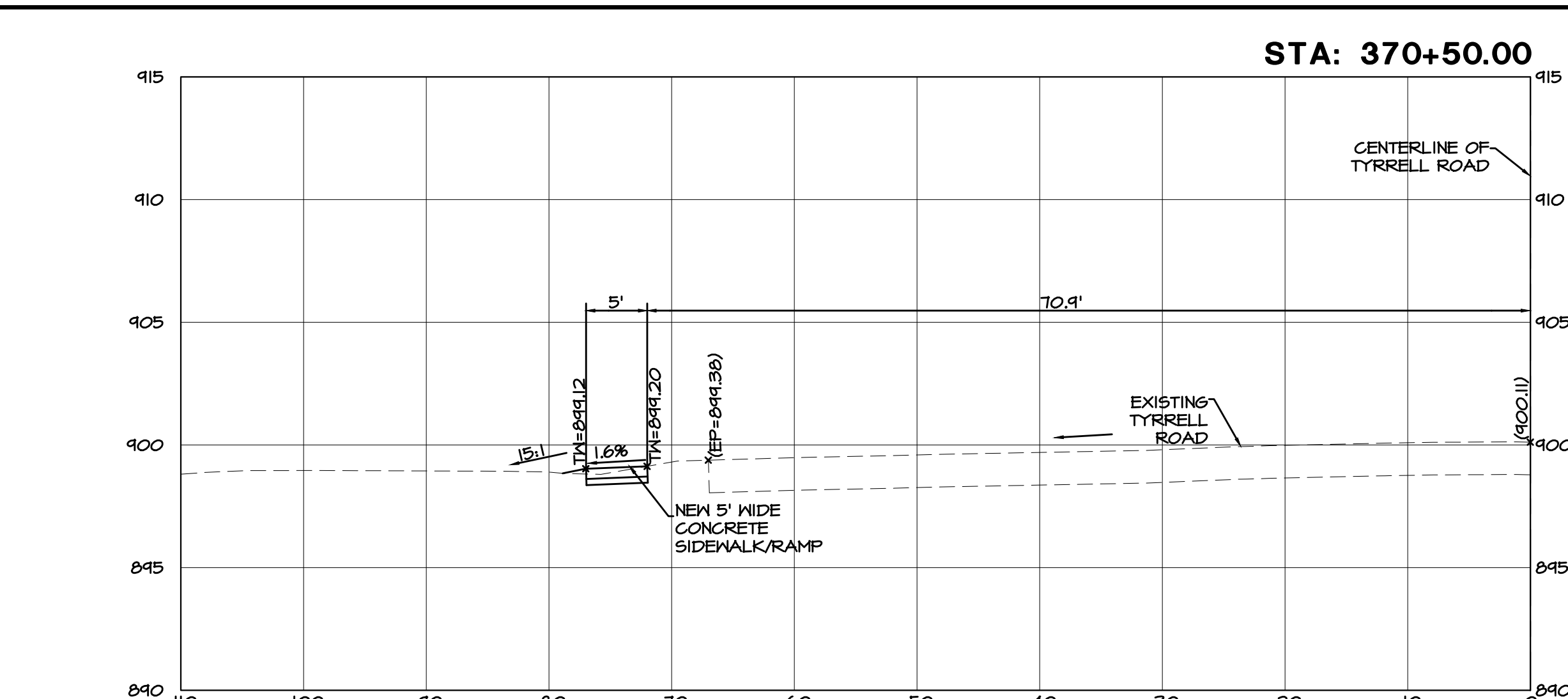
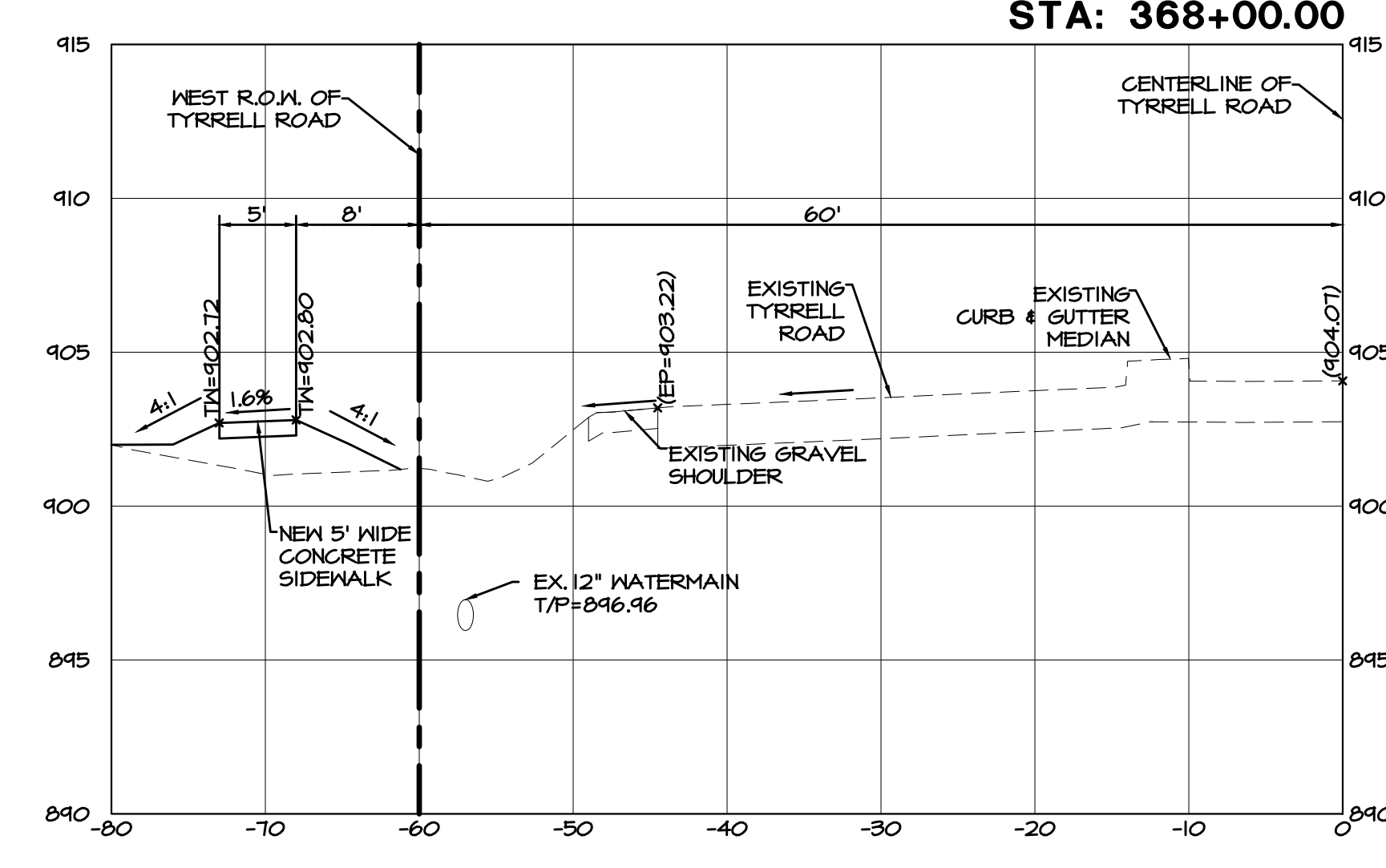
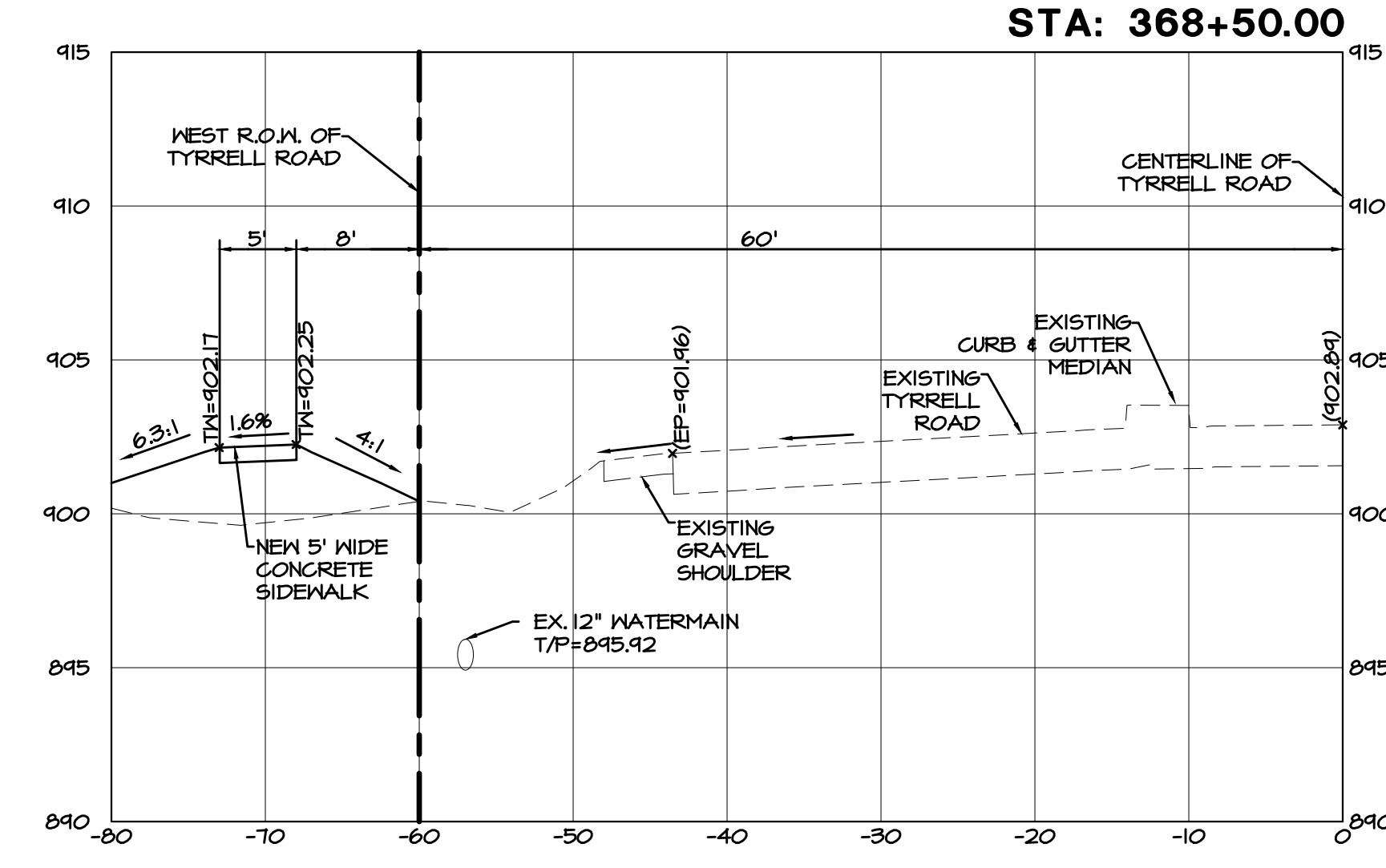
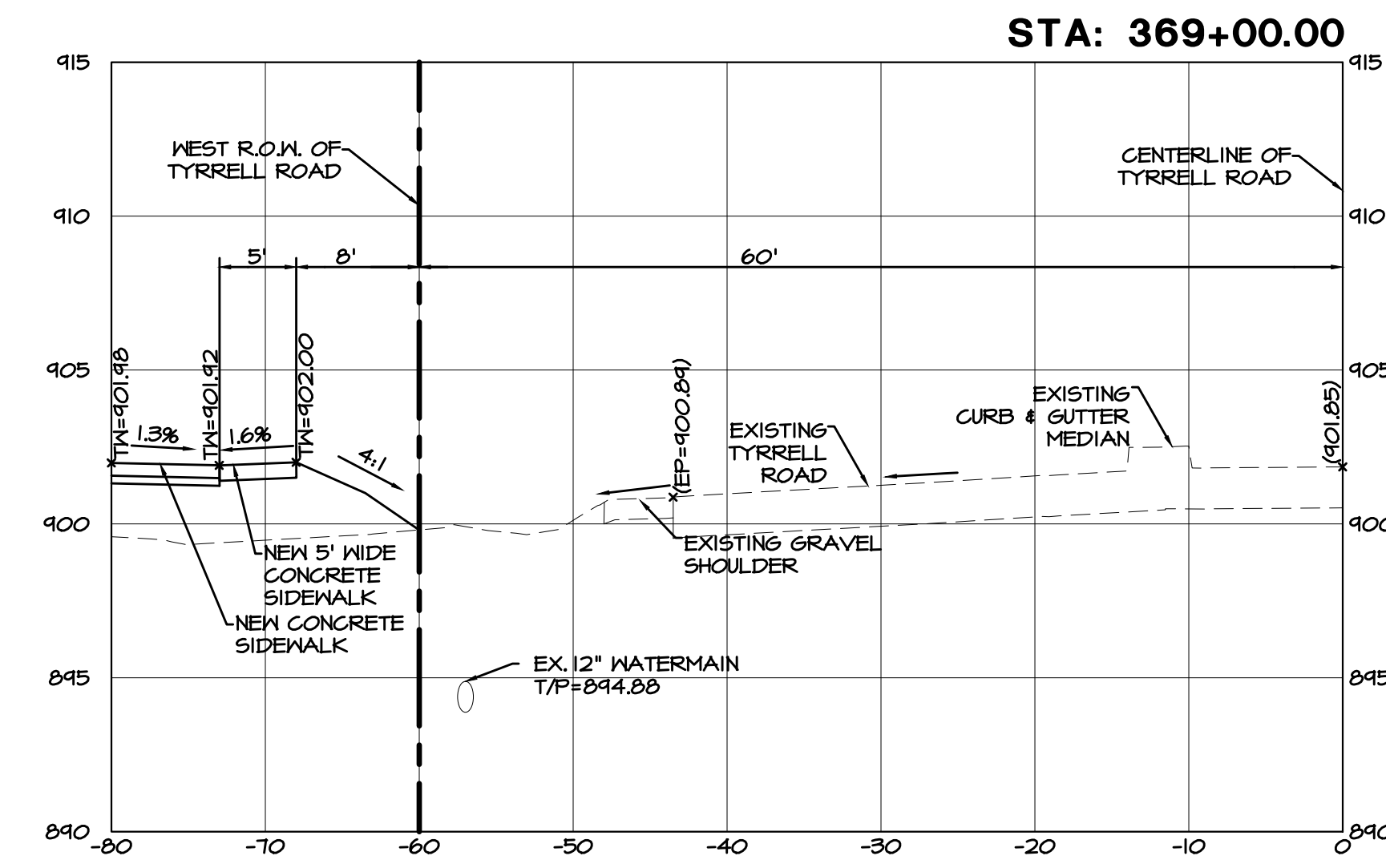
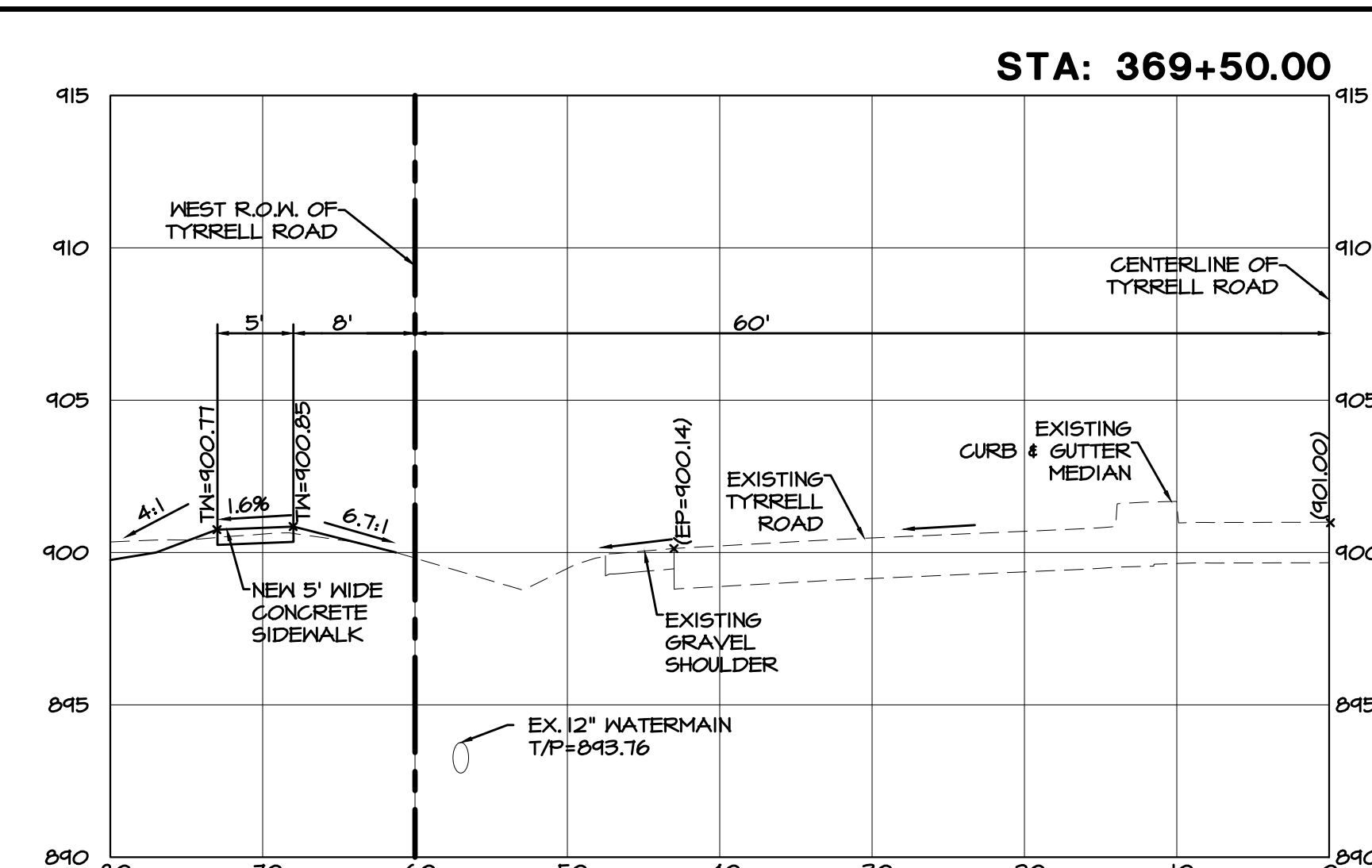
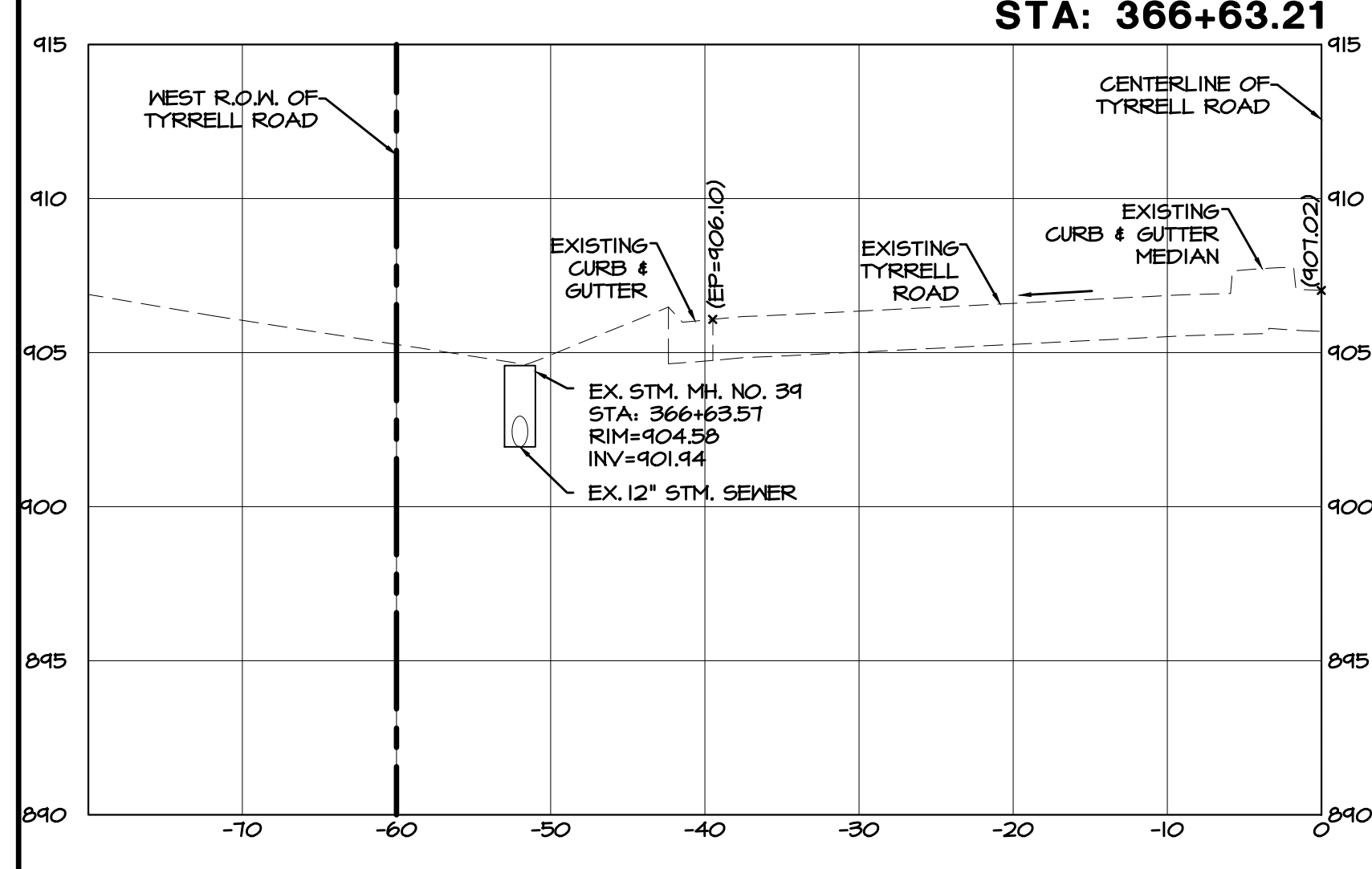
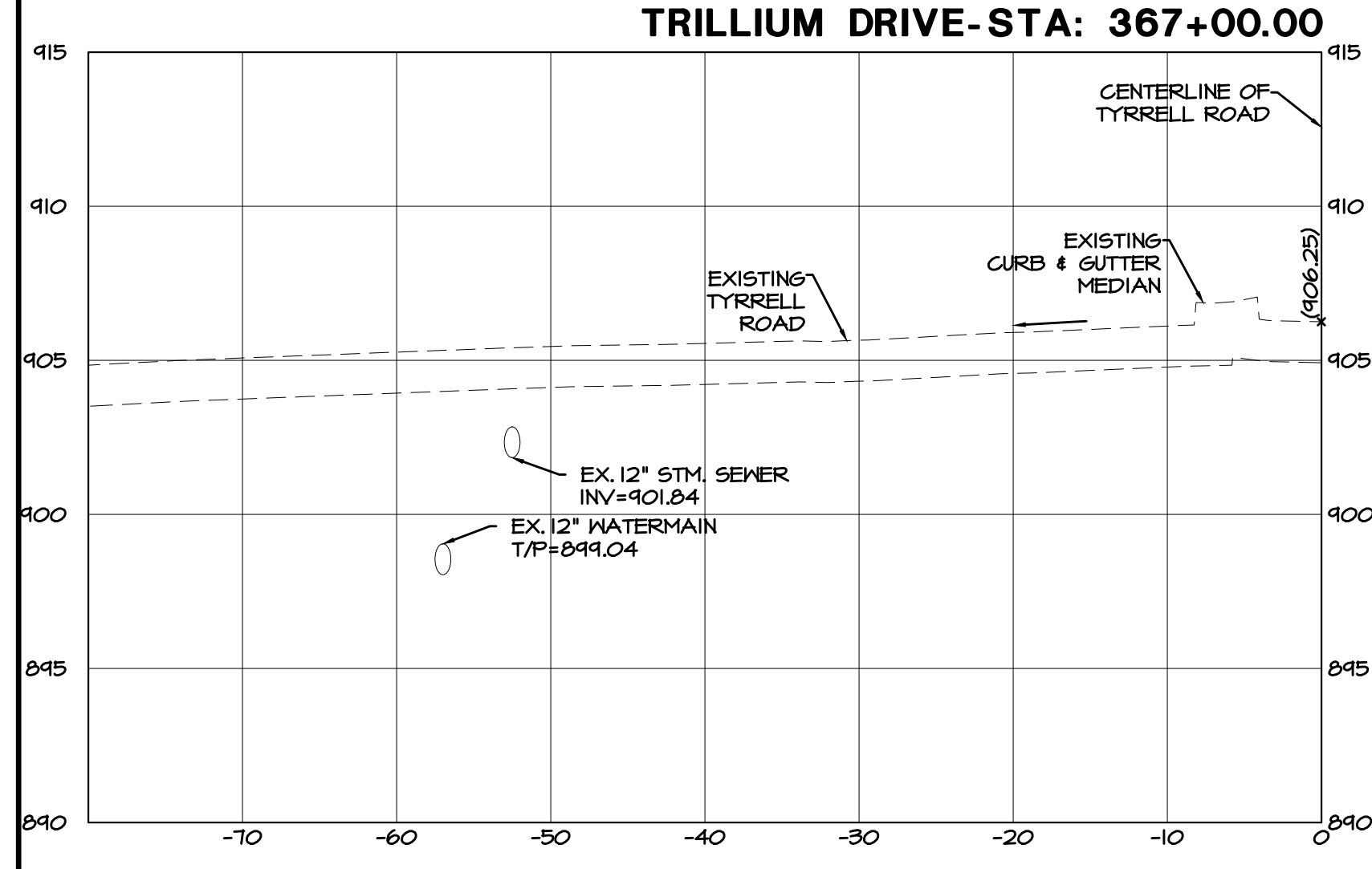
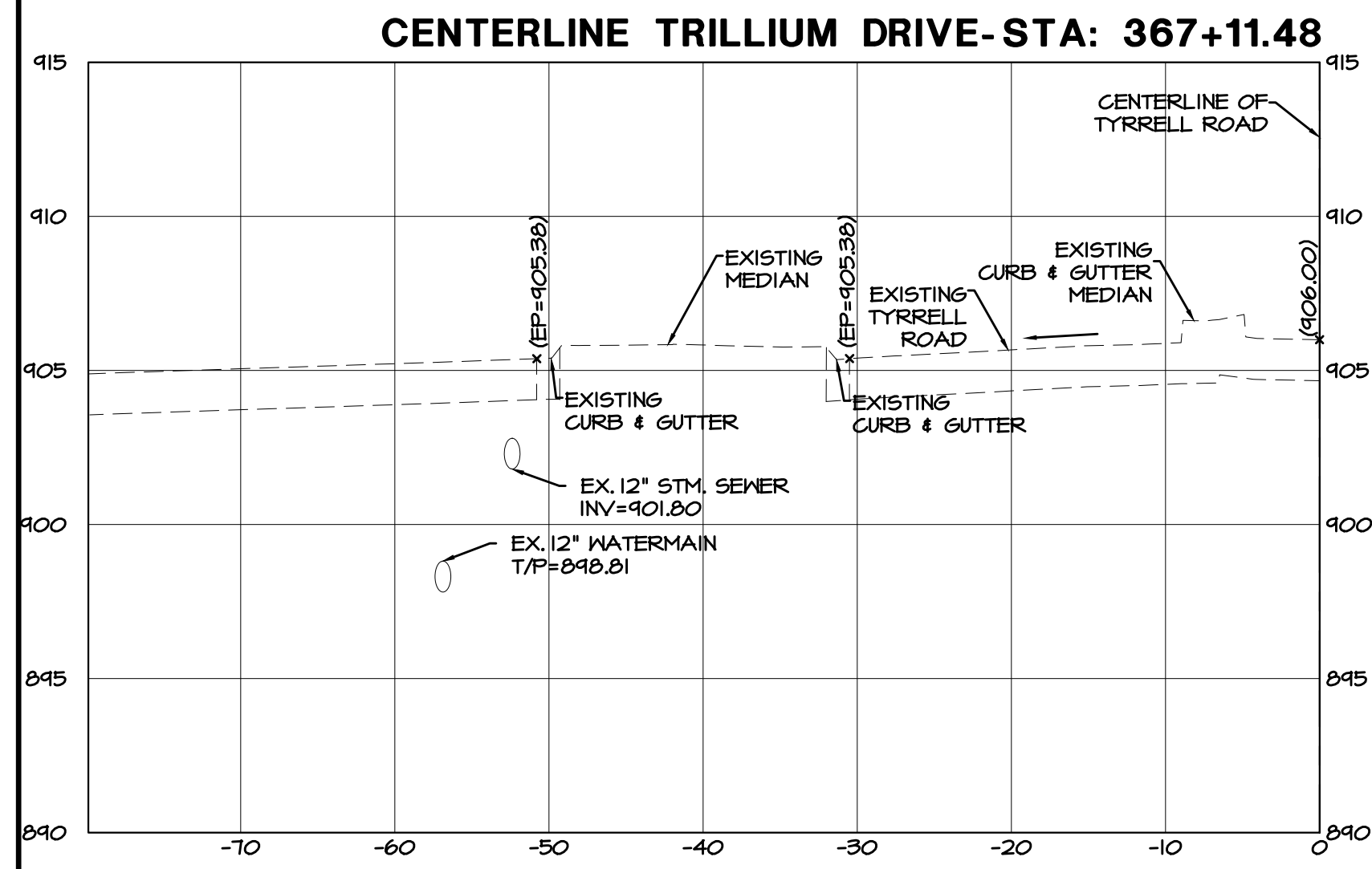
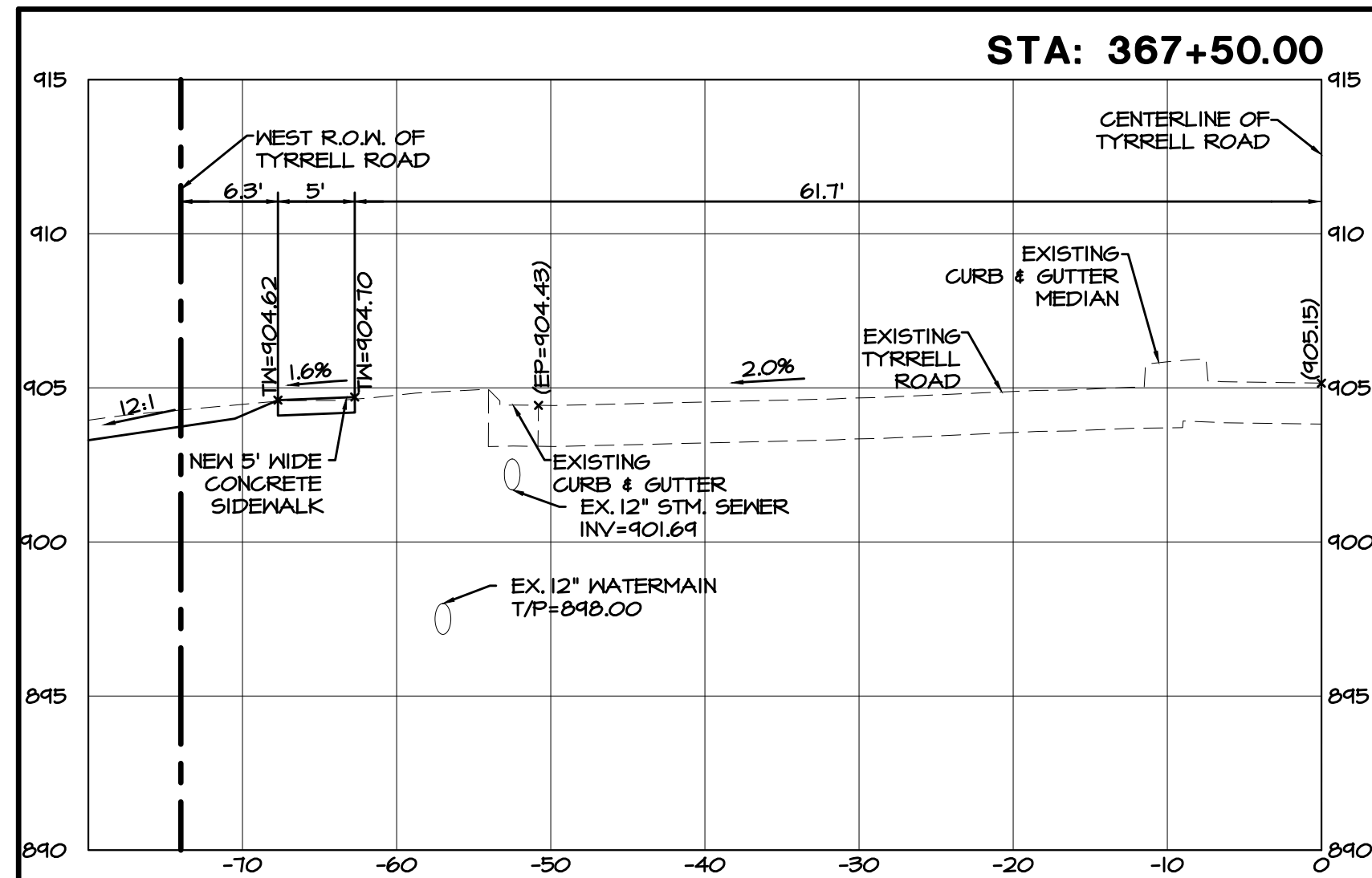
CORPORATE DESIGN + DEVELOPMENT
GROUP, LLC
 2075 PRAIRIE AVENUE
 HOFFMAN ESTATES, ILLINOIS 60192
 WWW.CDDGROUP.COM
 TEL: (224) 293-8333 FAX: (224) 293-8444



GLOGOVSKY OIL COMPANY
 C-STORE
 SWC TYRRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

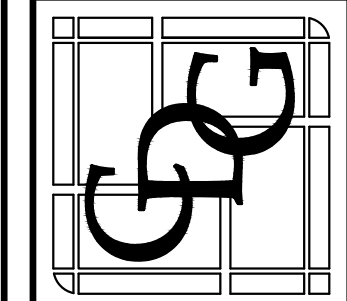
CROSS SECTIONS
- IL ROUTE 72

START DATE: 12-17-15
 SCALE: AS SHOWN
 DRAWN: CMS
 CHECK: JEG
 JOB: CE15072
 SHEET: **C-10.0**



NO.	REVISIONS	DATE	BY
4	PER IN HOUSE COMMENTS	4-06-2016	ALC
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6	PER DOT'S COMMENTS	8-18-2016	CMS
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CORPORATE DESIGN + DEVELOPMENT GROUP, LLC
 2675 PRATUM AVENUE
 HOFFMAN ESTATES, ILLINOIS 60192
 WWW.WTEENGINEERING.COM
 IL LICENSE NO. 184-007570-0015



GLOGOVSKY OIL COMPANY
 C-STORE
 SWC TYRRELL & ILLINOIS ROUTE 72
 (HIGGINS RD.)
 GILBERTS, IL 60136

CROSS SECTIONS
TYRRELL ROAD

START DATE:	12-17-15
SCALE:	AS SHOWN
DRAWN:	CMS
CHECK:	JEG
JOB:	CE15072
SHEET:	C-10.1

W-T CIVIL ENGINEERING, LLC.
 CIVIL AND STRUCTURAL ENGINEERS
 2675 Pratum Avenue
 Hoffman Estates, Illinois 60192
 PH: (224) 293-8333 FAX: (224) 293-8444
 www.wtengineering.com
 IL License No.: 184.007570-0015 Exp: 04/30/19

June 29, 2021

To: Village of Gilberts
87 Galligan Road
Gilberts, IL 60136

Attn: Mr. Brian Bourdeau

RE: **Trillium/Larkspur**

Dear Mr. Bourdeau:

At your request we have completed the review of the acceptance of the Trillium / Larkspur acceptance in accordance with the Village Subdivision code section 10-12-7 DEDICATION AND ACCEPTANCE OF THE IMPROVEMENTS (see below) and offer the following comments:

- I. Complete improvements – Completed and accepted
- II. Provide As-Built – Has not been submitted to date
- III. Provide guarantee security – Based on our review of the Village Code, as well as the Engineers estimate of probable construction cost (provide by RWG Engineering) it has been determined that the value of the Guaranty is recommended to be in the amount of \$173,889.51
- IV. Monuments have been installed and the Monies paid will need to be verified by the Village accounting/finance department

Please call me if you have any questions and or comments.

Very truly yours,

A handwritten signature in black ink that reads "Albert K Stefan". The signature is written in a cursive, flowing style.

Albert K Stefan, PE
Engineer
(815) 412-2706
astefan@reltd.com



ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
FOR
"PUBLIC IMPROVEMENTS" SECURITY FOR DUNKIN DONUTS at Prairie Business Park
GILBERTS, ILLINOIS
BASED ON PLANS BY RWG ENGINEERING, LLC, LATEST DATE 03/10/17

DATE: 03/10/17

FILE: 266-119-16

Table with columns: ITEM, DESCRIPTION, UNIT, UNIT PRICE, EXTENSION. Rows include categories A (Erosion Control Items), B (Sanitary Sewer), C (Storm Sewer), and D (Paving, Curbs) with sub-items and totals.

SUMMARY

A. EROSION CONTROL ITEMS	\$ 20,467.50
B. SANITARY SEWER (PUBLIC)	\$ 1,400.00
C. STORM SEWER (PUBLIC)	\$ 1,000.00
D. PAVING, CURBS (PUBLIC)	\$ 3,718.00
	<hr/>
SUBTOTAL	\$ 26,585.50
ADD 10% CONTINGENCY	\$ 2,658.55
	<hr/>
TOTAL OPINION OF PUBLIC IMPROVEMENT CONST. COST (for bonding)	\$ 29,244.05

NOTE: THIS ENGINEER'S OPINION OF PROBABLE COST HAS BEEN PREPARED BASED ON THE ENGINEER'S EXPERIENCE AS A DESIGN PROFESSIONAL AND IS FURNISHED FOR INFORMATION ONLY. IT DOES NOT CONSTITUTE A GUARANTEE OF ACTUAL CONSTRUCTION COSTS.

**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
FOR
TYRRELL ROAD IMPROVEMENTS AT PRAIRIE BUSINESS PARK
GILBERTS, ILLINOIS**

BASED ON FINAL PLANS BY RWG ENGINEERING, LLC. DATED 11/30/12, WITH LATEST REVISION DATE 06/04/13

DATE: 12/04/12
REV: 04/01/13
REV: 07/18/13

<u>IDOT ITEM</u>	<u>DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
EXCAVATION & GRADING					
20200100	EARTH EXCAVATION	295	CU YD	45.00	13,275.00
21101505	TOPSOIL EXCAVATION AND PLACEMENT	197	CU YD	25.00	4,925.00
25000210	SEEDING, CLASS 2A	0.25	ACRE	3,000.00	750.00
25000400	NITROGEN FERTILIZER NUTRIENT	22.5	POUND	3.00	67.50
25000500	PHOSPHORUS FERTILIZER NUTRIENT	22.5	POUND	3.00	67.50
25000600	POTASSIUM FERTILIZER NUTRIENT	22.5	POUND	3.00	67.50
25100630	EROSION CONTROL BLANKET	1,187	SQ YD	4.00	4,748.00
28000305	TEMPORARY DITCH CHECK	1	EACH	500.00	500.00
28000400	PERIMETER EROSION BARRIER	230	FOOT	3.00	690.00
28000500	INLET AND PIPE PROTECTION	2	EACH	200.00	400.00
28100101	STONE RIPRAP CL A1	10	SQ YD	130.00	1,300.00
				SUBTOTAL	\$26,790.50
STORM SEWER					
550A0340	STORM SEWERS CLASS A, TYPE 2 12"	115	FOOT	28.00	3,220.00
60233200	INLETS, TYPE A, TYPE 8 GRATE	1	EACH	900.00	900.00
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12"	1	EACH	500.00	500.00
				SUBTOTAL	\$4,620.00
PAVING & CURBS					
35100500	AGGREGATE BASE COURSE, TYPE A 6"	813	SQ YD	7.50	6,097.50
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	650	SQ YD	42.00	27,300.00
40300100	BITUMINOUS MATERIALS (PRIME COAT)	85	GALLON	4.00	340.00
40600982	HOT-MIX ASPHALT SURFACE REMOVAL (BUTT JOINT)	60	SQ YD	25.00	1,500.00
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	150	TON	162.00	24,300.00
40603340	HOT-MIX ASPHALT SURFACE COURSE MIX "D" N70	96	TON	172.00	16,512.00
44000100	PAVEMENT REMOVAL	677	SQ YD	8.00	5,416.00
44004240	PAVED SHOULDER REMOVAL	160	SQ YD	8.00	1,280.00
44213200	SAW CUTS	540	FOOT	3.00	1,620.00
44300900	STRIP REFLECTIVE CRACK CONTROL TREATMENT SYSTEM A	540	FOOT	6.50	3,510.00
48101600	AGGREGATE SHOULDERS, TYPE B 8"	150	SQ YD	12.00	1,800.00
60605000	COMB CC&G TYPE B6.24	135	FOOT	20.00	2,700.00
60609200	COMB CC&G TYPE M6.12	70	FOOT	15.00	1,050.00
60625610	ISLAND PAVEMENT (8")	30	SQ YD	40.00	1,200.00
				SUBTOTAL	\$94,625.50
PAVEMENT MARKING					
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	575	FOOT	0.75	431.25
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS	38.2	SQ FT	12.00	458.40
78009004	MODIFIED URETHANE PAVEMENT MARKING-LINE 4"	573	FOOT	0.75	429.75
78009006	MODIFIED URETHANE PAVEMENT MARKING-LINE 6"	120	FOOT	1.50	180.00
78009008	MODIFIED URETHANE PAVEMENT MARKING-LINE 8"	147	FOOT	2.50	367.50
78009012	MODIFIED URETHANE PAVEMENT MARKING-LINE 12"	130	FOOT	3.00	390.00
				SUBTOTAL	\$2,256.90
SIGNAGE					
72000100	SIGN PANEL - TYPE 1	5	EACH	300.00	1,500.00
72800100	TELESCOPING SIGN SUPPORT	30	FOOT	25.00	750.00
73100100	BASE FOR TELESCOPING SIGN SUPPORT	3	EACH	300.00	900.00
				SUBTOTAL	\$3,150.00
TRAFFIC CONTROL					
	LUMP SUM	1	L.S.	9,000.00	9,000.00
				SUBTOTAL	\$9,000.00

**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
FOR
TYRRELL ROAD IMPROVEMENTS AT PRAIRIE BUSINESS PARK**

GILBERTS, ILLINOIS

BASED ON FINAL PLANS BY RWG ENGINEERING, LLC. DATED 11/30/12, WITH LATEST REVISION DATE 06/04/13

REV: 04/01/13

REV: 07/18/13

SUMMARY

EXCAVATION & GRADING	\$	26,790.50
STORM SEWER	\$	4,620.00
PAVING & CURBS	\$	94,625.50
PAVEMENT MARKING	\$	2,256.90
SIGNAGE	\$	3,150.00
TRAFFIC CONTROL	\$	9,000.00
SUBTOTAL	\$	140,442.90
KCDOT CONTINGENCY (25%)	\$	35,110.73
TOTAL	\$	175,553.63

NOTE: THIS ENGINEER'S OPINION OF PROBABLE COST HAS BEEN PREPARED BASED UPON THE ENGINEER'S EXPERIENCE AS A DESIGN PROFESSIONAL AND IS FURNISHED FOR INFORMATION ONLY. IT DOES NOT CONSTITUTE A GUARANTEE OF ACTUAL CONSTRUCTION COSTS.

RWG Engineering, LLC

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST FOR

PRAIRIE BUSINESS PARK PHASE IB INFRASTRUCTURE & MASS GRADING (PART OF PHASE I)

GILBERTS, ILLINOIS

BASED ON PLANS BY RWG ENGINEERING, LLC, LATEST DATE 12/28/12

FILE: 01600112

DATE: 12/20/12

REV: 12/28/12

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
A. EXCAVATION, GRADING & EROSION CONTROL					
1.	EXCAVATION & GRADING (TOPSOIL & STRUCTURAL)	12.3	AC.	12,000.00	147,600.00
2.	4" TOPSOIL RESPREAD, FINE GRADING & SEEDING	7,075	S.Y.	2.25	15,918.75
3.	INLET PROTECTION FILTER BASKETS	4	EA.	200.00	800.00
4.	EROSION CONTROL BLANKET (NAG DS150)	6,910	S.Y.	3.50	24,185.00
5.	TEMPORARY SEEDING	29,550	S.Y.	0.50	14,775.00
TOTAL EXCAVATION, GRADING & EROSION CONTROL					\$ 203,278.75
B. SANITARY SEWER					
1.	8" PVC SANITARY SEWER (SDR 26): 0' - 12' DEPTH	95	L.F.	30.00	2,850.00
2.	48" MANHOLE TYPE A W/FRAME & LID: 0' - 12- DEPTH	1	EA.	2,300.00	2,300.00
TOTAL SANITARY SEWER					\$ 5,150.00
C. WATERMAIN					
1.	8" DUCTILE IRON WATERMAIN	210	L.F.	40.00	8,400.00
2.	12" DUCTILE IRON WATERMAIN	960	L.F.	55.00	52,800.00
3.	FIRE HYDRANT w/AUX VALVE	6	EA.	3,200.00	19,200.00
4.	8" VALVE w/48" DIA VAULT, COMPLETE	1	EA.	2,500.00	2,500.00
5.	12" VALVE w/60" DIA VAULT, COMPLETE	1	EA.	3,800.00	3,800.00
6.	12" VALVE w/60" DIA VAULT, PRESSURE TAP	1	EA.	4,800.00	4,800.00
7.	8" VALVE & BOX, COMPLETE	1	EA.	1,200.00	1,200.00
8.	SELECT GRANULAR TRENCH BACKFILL (CA-6)	70	L.F.	30.00	2,100.00

9.	REMOVE EXISTING 12" WATERMAIN	1	L.S.	15,000.00	15,000.00
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TOTAL WATERMAIN					\$ 109,800.00
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D. STORM SEWER

1.	12" RCP STORM SEWER	22	L.F.	24.00	528.00
2.	15" RCP STORM SEWER	110	L.F.	27.00	2,970.00
3.	21" RCP STORM SEWER	199	L.F.	34.00	6,766.00
4.	PRECAST CONCRETE FES w/ GRATE - 15"	2	EA.	750.00	1,500.00
5.	24" DIAMETER INLET	1	EA.	800.00	800.00
6.	48" DIAMETER CATCH BASIN	3	EA.	1,500.00	4,500.00
7.	48" DIAMETER MANHOLE	2	EA.	1,400.00	2,800.00
8.	SELECT GRANULAR TRENCH BACKFILL (CA-6)	60	L.F.	30.00	1,800.00

TOTAL STORM SEWER					\$ 21,664.00
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E. PAVING, CURBS, SIDEWALK

1.	INTEGRAL CAST 6" BARRIER CONCRETE CURB	2,020	L.F.	8.00	16,160.00
2.	6" DUCTILECRETE PAVT ON 4" AGG BASE (CA-6)	2,926	S.Y.	34.50	100,947.00
3.	PCC SIDEWALK - 5" WITH 3" AGG BASE (CA-6)	8,420	S.F.	3.60	30,312.00
4.	PEDESTRIAN TRAIL - 6" LIMESTONE SCREENINGS w/ FABRIC	7,120	S.F.	1.60	11,392.00

TOTAL PAVING, CURBS, SIDEWALK					\$ 158,811.00
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F. STREET LIGHTS & SIGNAGE

1.	STREET LIGHTS	5	EA.	3,000.00	15,000.00
2.	STREET SIGNAGE	1	L.S.	550.00	550.00

TOTAL STREET LIGHTS & SIGNAGE					\$ 15,550.00
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SUMMARY

A. EXCAVATION, GRADING & EROSION CONTROL	203,278.75
B. SANITARY SEWER	5,150.00
C. WATERMAIN	109,800.00
D. STORM SEWER	21,664.00
E. PAVING, CURBS, SIDEWALK	158,811.00
F. STREET LIGHTS & SIGNAGE	15,550.00
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SUBTOTAL	\$514,253.75
ADD 10% CONTINGENCY	<hr/> 51,425.38
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TOTAL OPINION OF CONSTRUCTION COST	\$565,679.13

NOTE: THIS ENGINEER'S OPINION OF PROBABLE COST HAS BEEN PREPARED BASED ON THE ENGINEER'S EXPERIENCE AS A DESIGN PROFESSIONAL AND IS FURNISHED FOR INFORMATION ONLY. IT DOES NOT CONSTITUTE A GUARANTEE OF ACTUAL CONSTRUCTION COSTS.

HIGHLIGHTS:

- 1. OFFSITE WATERMAIN EXTENSION ON SOLA & CENTRAL NOT INCLUDED (B & W PLANS).**
- 2. EXISTING PAVT OVERLAY NOT INCLUDED - FUTURE PHASE WORK.**
- 3. RT 72 AND TYRRELL RD IMPROVEMENTS NOT INCLUDED - SEPARATE PLAN SETS AND ESTIMATES.**

RWG Engineering, LLC

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST FOR

PRAIRIE BUSINESS PARK PHASE IA INFRASTRUCTURE & MASS GRADING (PART OF PHASE I)

GILBERTS, ILLINOIS

BASED ON PLANS BY RWG ENGINEERING, LLC, LATEST DATE 12/28/12

FILE: 01600112

DATE: 12/20/12

REV: 12/28/12

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
A. EXCAVATION, GRADING & EROSION CONTROL					
1.	SILT FENCE	4,475	L.F.	2.50	11,187.50
2.	CONSTRUCTION ENTRANCE	1	EA.	2,500.00	2,500.00
3.	EXCAVATION & GRADING (TOPSOIL & STRUCTURAL)	14.5	AC.	12,000.00	174,000.00
4.	4" TOPSOIL RESPREAD, FINE GRADING & SEEDING	3,575	S.Y.	2.25	8,043.75
5.	INLET PROTECTION FILTER BASKETS	18	EA.	200.00	3,600.00
6.	EROSION CONTROL BLANKET (NAG DS150)	1,930	S.Y.	3.50	6,755.00
TOTAL EXCAVATION, GRADING & EROSION CONTROL					\$ 206,086.25

B. SANITARY SEWER

1.	8" PVC SANITARY SEWER (SDR 26): 0' - 12' DEPTH	1,009	L.F.	30.00	30,270.00
2.	8" PVC SANITARY SEWER (SDR 26): 12' - 16' DEPTH	211	L.F.	36.00	7,596.00
3.	8" PVC SANITARY SEWER (SDR 26): 16' - 20' DEPTH	308	L.F.	42.00	12,936.00
4.	48" MANHOLE TYPE A W/FRAME & LID: 0' - 12- DEPTH	5	EA.	2,300.00	11,500.00
5.	48" MANHOLE TYPE A W/FRAME & LID: 16' - 20' DEPTH	2	EA.	3,500.00	7,000.00
6.	48" MANHOLE TYPE A W/FRAME & LID: 20' - 24' DEPTH	2	EA.	4,000.00	8,000.00
7.	EXTERIOR DROP CONNECTION ASSEMBLIES	2	EA.	750.00	1,500.00
8.	CONNECT TO EXISTING 18" SEWER	1	EA.	2,500.00	2,500.00
9.	SELECT GRANULAR TRENCH BACKFILL (CA-6)	240	L.F.	35.00	8,400.00
10.	REMOVE EXIST 18" SEWER & PLUG MANHOLE	1	L.S.	3,000.00	3,000.00
TOTAL SANITARY SEWER					\$ 92,702.00

C. WATERMAIN

1.	8" DUCTILE IRON WATERMAIN	1,990	L.F.	40.00	79,600.00
2.	12" DUCTILE IRON WATERMAIN	100	L.F.	55.00	5,500.00
3.	FIRE HYDRANT w/AUX VALVE	5	EA.	3,200.00	16,000.00
4.	8" VALVE w/48" DIA VAULT, COMPLETE	4	EA.	2,500.00	10,000.00
5.	8" VALVE w/60" DIA VAULT, PRESSURE TAP	2	EA.	3,500.00	7,000.00

975 E. 22nd Street, Suite 400, Wheaton, IL 60189

www.rwg-engineering.com

SUMMARY

A. EXCAVATION, GRADING & EROSION CONTROL	206,086.25
B. SANITARY SEWER	92,702.00
C. WATERMAIN	140,250.00
D. STORM SEWER	182,728.00
E. PAVING, CURBS, SIDEWALK	230,414.00
F. STREET LIGHTS & SIGNAGE	28,200.00
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SUBTOTAL	\$880,380.25
ADD 10% CONTINGENCY	88,038.03
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TOTAL OPINION OF CONSTRUCTION COST	\$968,418.28

NOTE: THIS ENGINEER'S OPINION OF PROBABLE COST HAS BEEN PREPARED BASED ON THE ENGINEER'S EXPERIENCE AS A DESIGN PROFESSIONAL AND IS FURNISHED FOR INFORMATION ONLY. IT DOES NOT CONSTITUTE A GUARANTEE OF ACTUAL CONSTRUCTION COSTS.

HIGHLIGHTS:

- 1. OFFSITE WATERMAIN EXTENSION ON SOLA & CENTRAL NOT INCLUDED (B & W PLANS).**
- 2. EXISTING PAVT OVERLAY NOT INCLUDED - FUTURE PHASE WORK.**
- 3. RT 72 AND TYRRELL RD IMPROVEMENTS NOT INCLUDED - SEPARATE PLAN SETS AND ESTIMATES.**